

BILT WELL
WOOD WORK

BILT-WELL WOODWORK

COMMERCIAL SASH & DOOR CO.

PITTSBURGH, PA.



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FOREWORD

In the presentation of this catalog it is our sincere desire that helpful information will be found among its many pages to enable those desiring to build a home to achieve the utmost. Comfort and convenience are the keynotes of today's modern home. The degree to which these essential features are enjoyed depends entirely on the care taken in the selection of the Interior Woodwork. Greater satisfaction can be had from the purchase of Bilt-Well Woodwork, and its beauty will endure throughout the years.

COMMERCIAL SASH & DOOR CO.

Pittsburgh, Pa.

BILT WELL
WOOD WORK

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BILT-WELL WOOD WORK
REG. U. S. PAT. OFF.

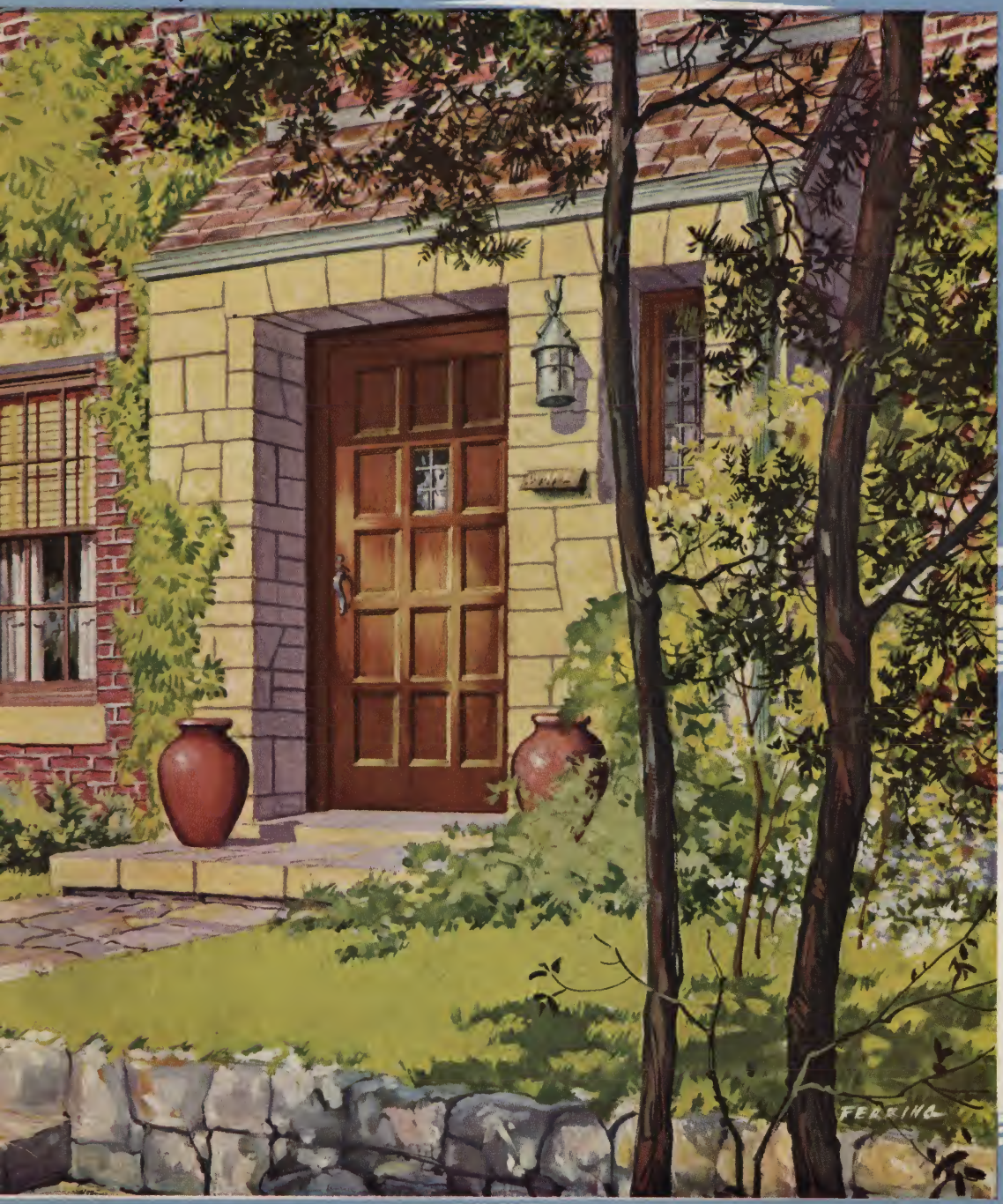
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BILT WELL WOOD WORK

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Bilt-Well

EXTERIOR DOORS

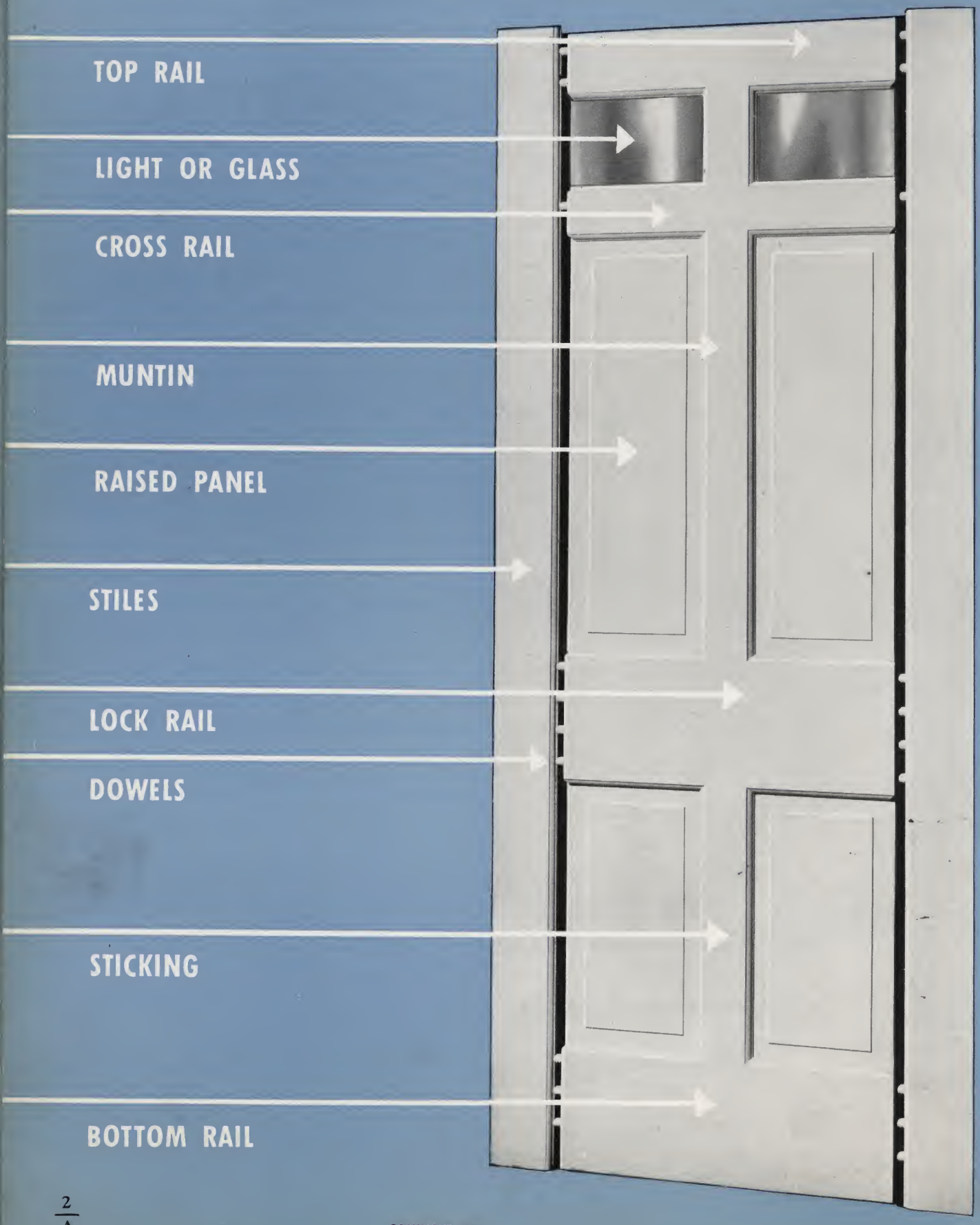


High grade material . . . fine workmanship and enduring beauty—three of the many outstanding features of Bilt-Well Doors.

A.I.A. File Number 19-E-12

TECHNICAL DOOR TERMS

Various component parts are referred to in the description of Bilt-Well Doors on the following pages; therefore, names of these door members are given in the illustration below.



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BILT-WELL OVOLO STICKING



LOOK FOR BILT-WELL LABEL

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THE BILT-WELL DOOR GUARANTEE

OUR doors are guaranteed to be of good material and workmanship, free from defects which render them unserviceable or unfit for the use for which they are intended. (Natural variations in the color or texture of the wood are not to be considered as defects.)

Doors must be accorded reasonable treatment by the purchaser. Doors must not be stored in damp warehouses or placed in moist or freshly plastered buildings, or subjected to abnormal heat, dryness or humidity. The structural strength of the door must not be impaired in the fitting of the door or the application of hardware. We do not assume responsibility for doors which become defective from these causes. Top and bottom edges of all doors must be thoroughly painted or varnished to prevent undue absorption of moisture.

A warp or twist not to exceed ¼" shall not be considered a defect.

Doors must be inspected upon arrival and all claims or complaints must be filed before painter's finish is applied.

We agree to repair or replace in the white, without charge, any door found to be defective within the meaning of this guarantee.

Doors must not be repaired or replaced without first obtaining our consent.

BILT-WELL WOOD WORK
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Bilt-Well Doors B W-2244
B W-2245 B W-2246 B W-2249



B W-2244



B W-2245

The fine quality of these doors is unusual in such moderately priced designs. The heavy (9/16") raised panels . . . the giant (5/8") dowels . . . the Ponderosa Pine material make these doors an outstanding value. Any one of these doors will go well with the Interior 6 panel Colonial Door.

Stiles and Top Rail	**4¼" Face**
Lock Rail	**7⅛" "**
Bottom Rail	**9⁵⁄₁₆" "**

Glass area is 27½" x 40" in a 3'–0" x 6'–8" door.

BILT WELL
WOOD WORK



B W - 2246

B W - 2249

Bilt-Well Doors B W-2250
B W-2253 B W-2254

These doors are very appropriate for the most carefully planned doorways. Their fine quality of materials and excellent workmanship are comparable to the finest pieces of furniture. The short glass space is a feature often preferred because of the privacy it affords. Ponderosa Pine is the wood; the glass is double-strength. It has a raised panel of 9/16" thickness. The face measurements are:

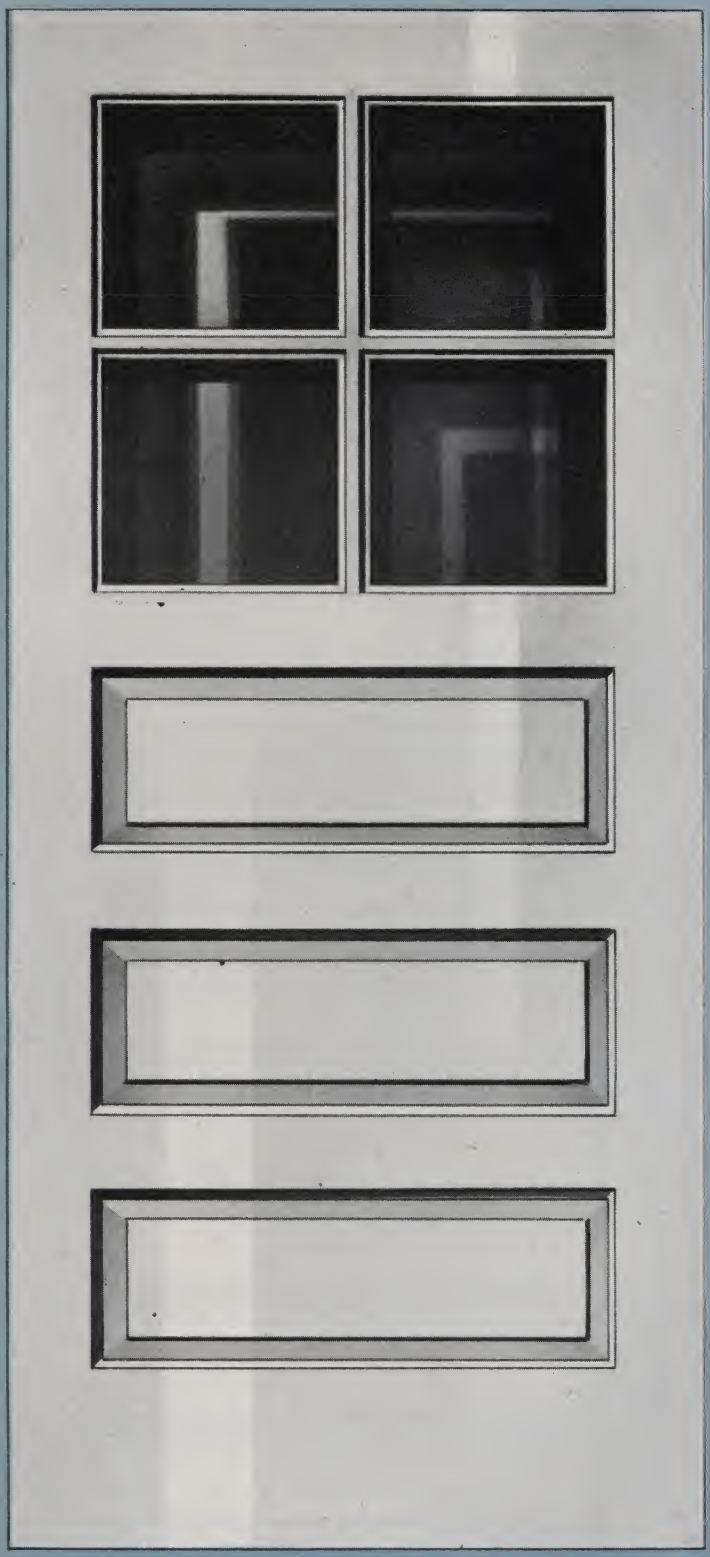
Stiles and Top Rail	**4¼" Face**
Cross Rail	**3 13/16" "**
Bottom Rail	**9 5/16" "**

Glass area is 27½" x 26" in a 3'–0" x 6'–8" door.

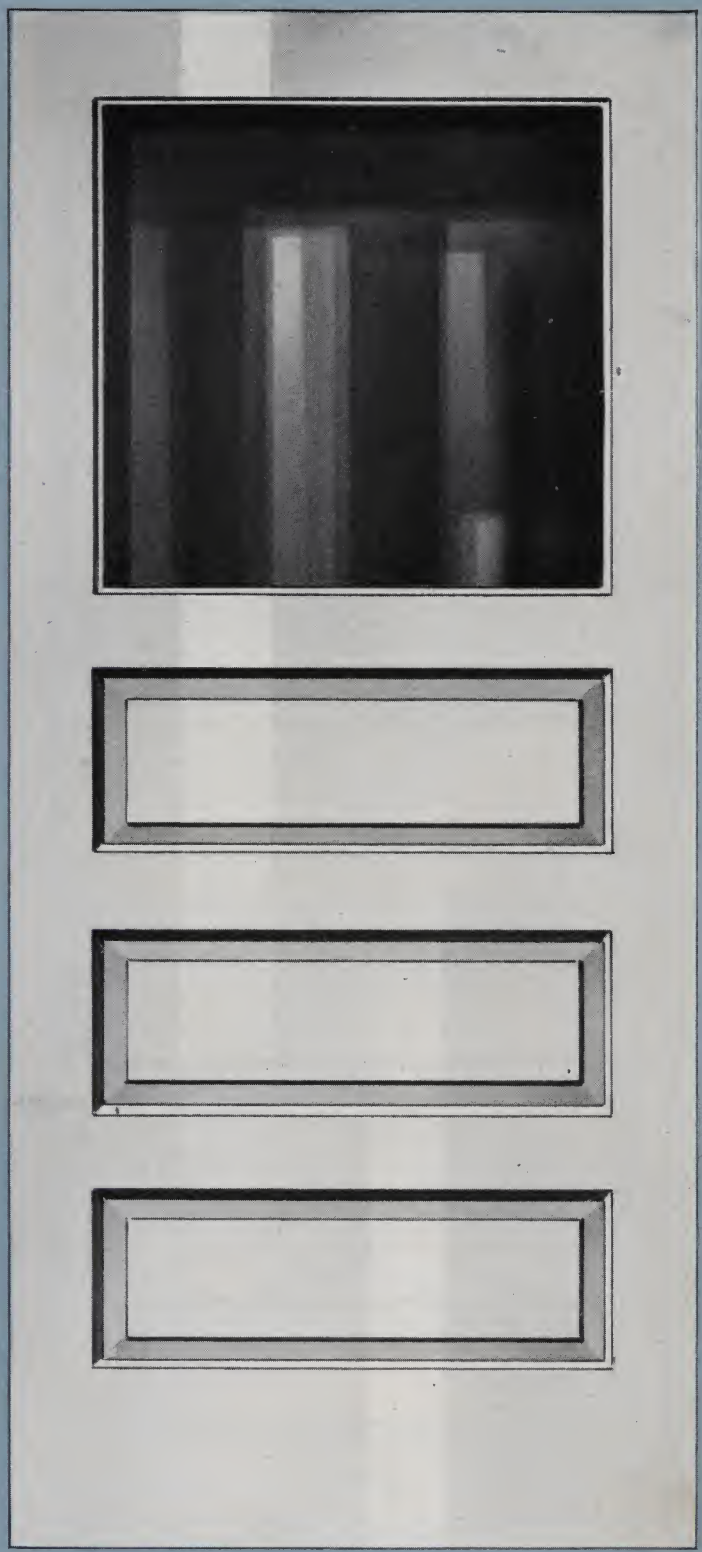




B W-2250



B W - 2253



B W - 2254

BILT WELL
WOOD WORK

Bilt-Well Doors B W-2262 B W-2264 B W-2266 B W-2267





B W-2262



B W-2264

BILT-WELL WOOD WORK



B W-2266



B W-2267

These doors contribute to attractive entrances. They have a pleasing appearance combined with their practical advantages of being sturdy and serviceable. Produced from Ponderosa Pine with $\frac{9}{16}''$ panels.

Dimensions of component parts:

Stiles and Top Rail	**$4\frac{1}{4}''$ Face**
Lock Rail	**$3\frac{13}{16}''$ "**
Bottom Rail	**$9\frac{5}{16}''$ "**

Glass measures $27\frac{1}{2}''$ x 30″ in a 3′–0″ x 6′–8″ door.

Bilt-Well Doors BW-2270 BW-2275 BW-2276 BW-2277 BW-2279

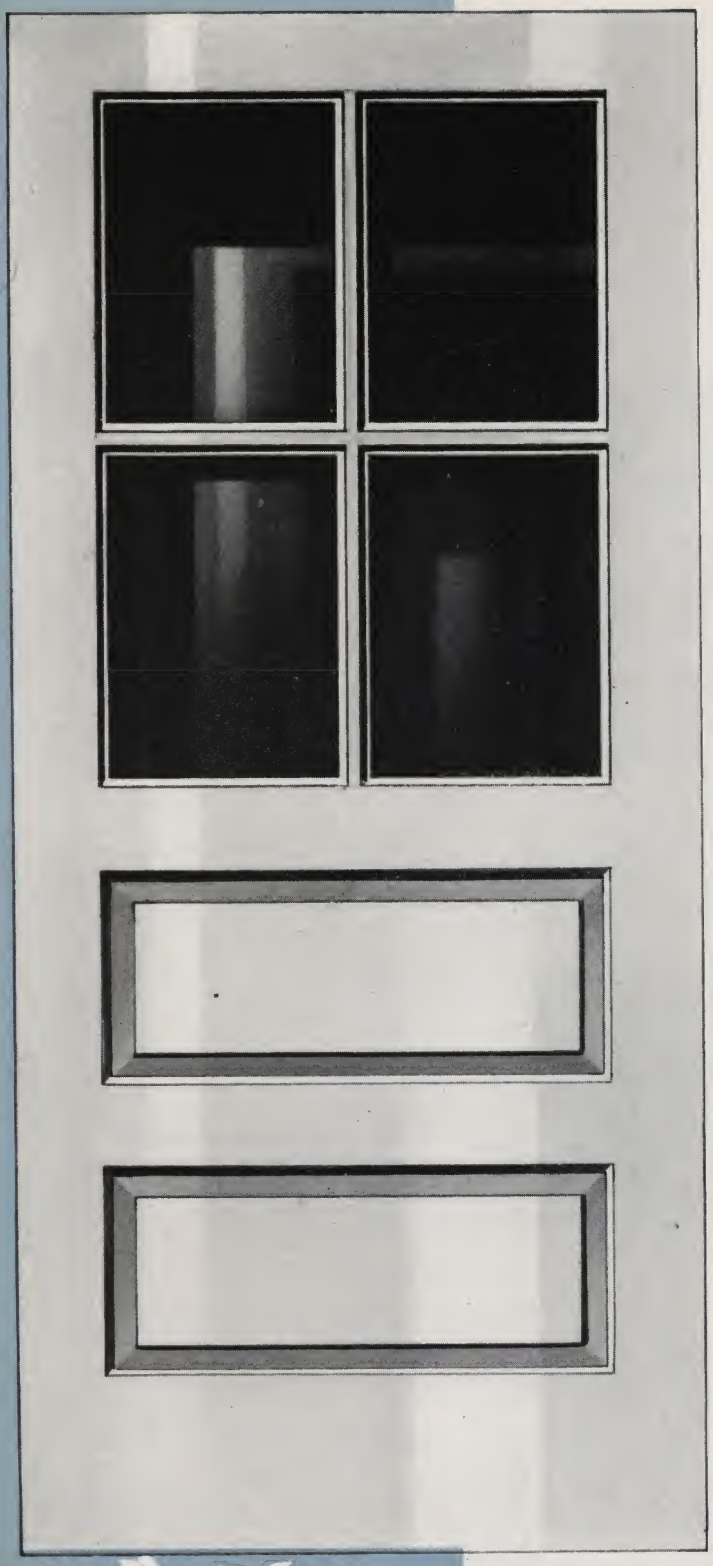
BILT WELL WOOD WORK



BW-2276

BW-2275

BW-2270

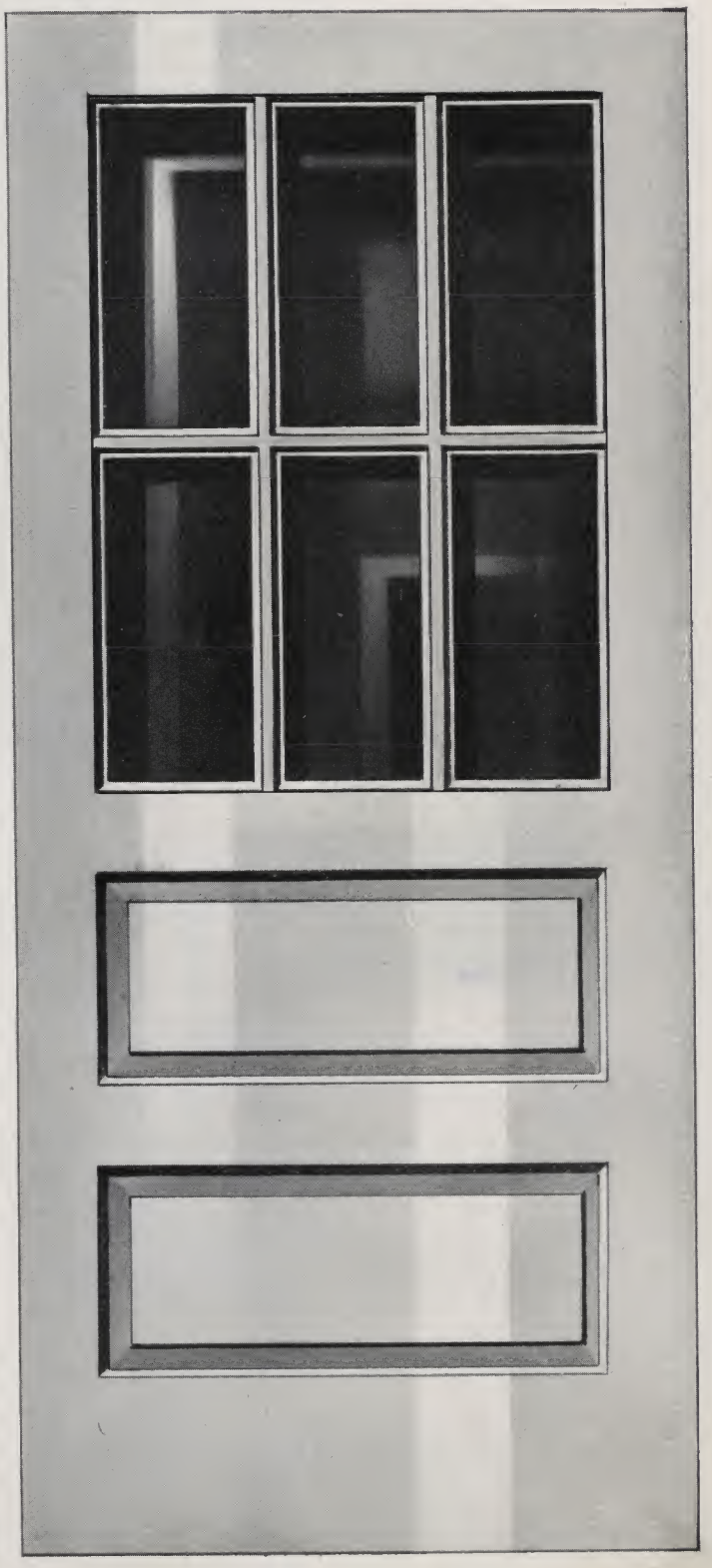


The beauty of these designs is far beyond the average door of this type; so is the fine quality of material and workmanship. Each door is carefully made to give uniform fine quality. The wood used is Ponderosa Pine properly kiln-dried, and the doors have 9/16" raised panels.

Dimensions of component parts:

Stiles and Top Rail	**4¼" Face**
Lock Rail	**3 13/16" "**
Bottom Rail	**9 5/16" "**

Glass area of BW-2270 for a 3'–0" x 6'–8" door is 27½" x 26". Glass areas of BW-2275, BW-2276, BW-2277 and BW-2279 for a 3'–0" x 6'–8" door are 27½" x 36".





BW-2277

BW-2279

Bilt-Well Doors B W - 2290

B W - 2294 B W - 2295 B W - 2304 B W - 2308

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B W - 2295

B W - 2294

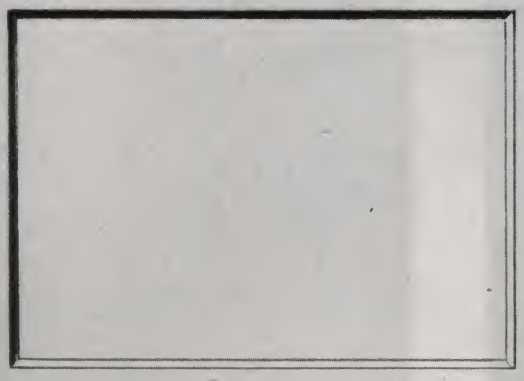
B W - 2290

An unusual array of beautiful designs from which to select your choice of Bilt-Well Door. The heavy lock rail construction combines large glass area with exceptional strength. They are manufactured of carefully graded Ponderosa Pine, and the raised panel is 9/16" thick. Dimensions of component parts of BW-2290, BW-2294, and BW-2295 are:

Stiles and Top Rail	**5" Face**
Lock Rail	**8¾" "**
Bottom Rail	**9 5/16" "**

Glass area is 26" x 46" for a 3'–0" x 6'–8" door.





BW-2304

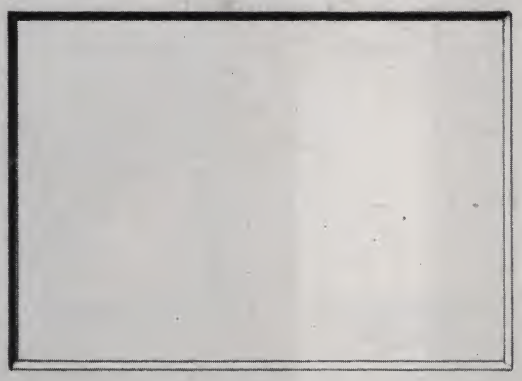
BW-2304 and BW-2308 go well with the interior two-panel door BW-3314. They have a 3-ply laminated panel.

Dimensions of component parts are:

Stiles and Top Rail	**5" Face**
Lock Rail	**7⅛" "**
Bottom Rail	**9 5/16" "**

Glass area is 26" x 40" in a 3'–0" x 6'–8" door.

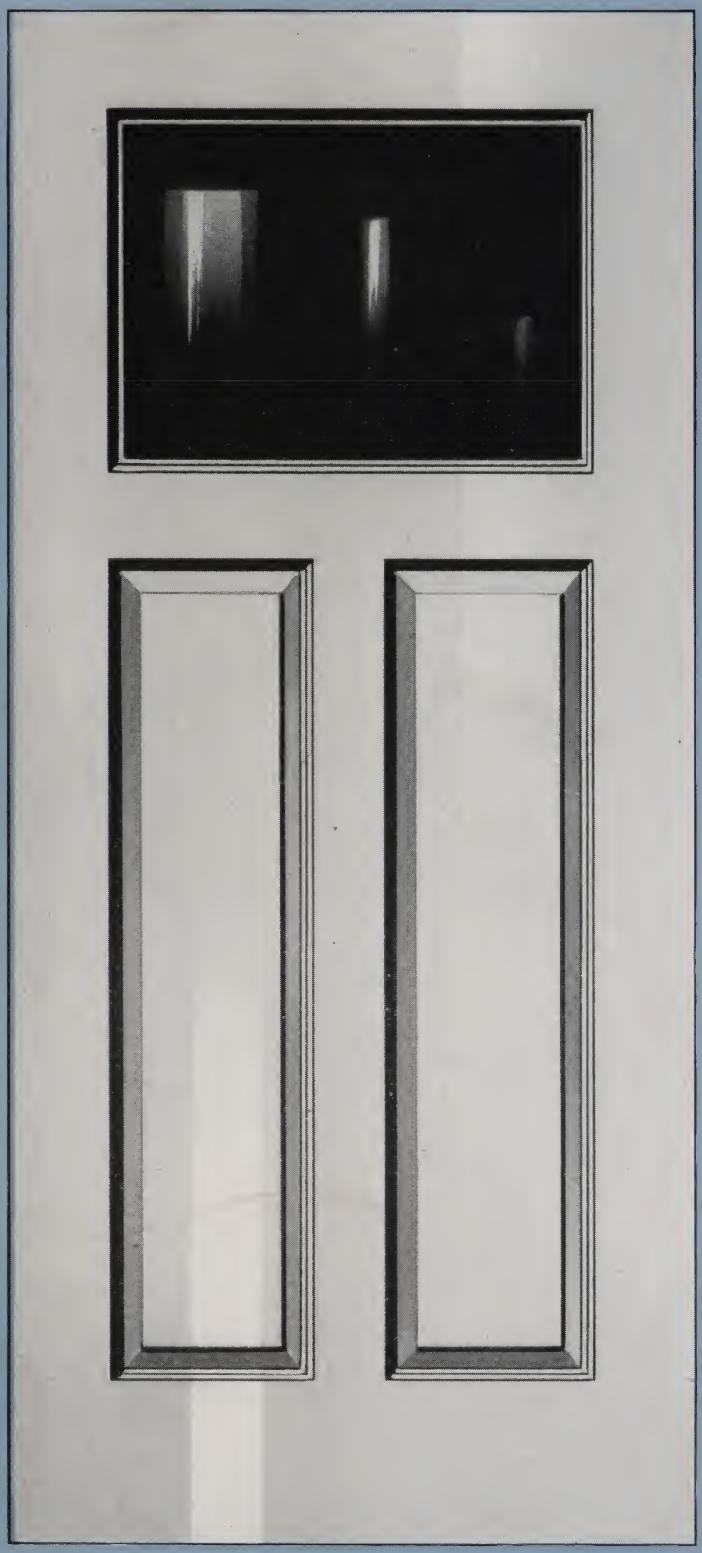




BW-2308

Bilt-Well Doors BW-2323 BW-2325 BW-2327 BW-2329

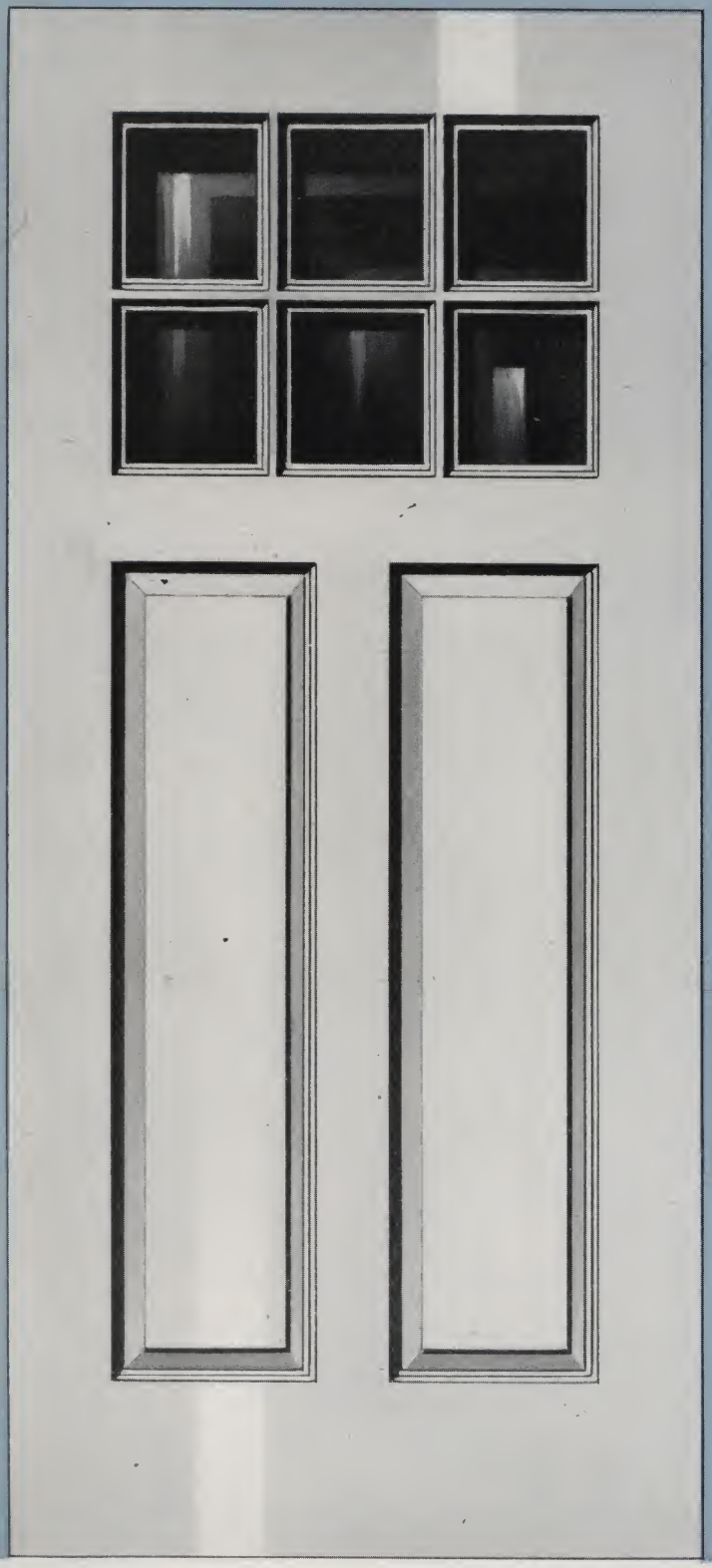




BW-2323



BW-2325



B W - 2327

As the name implies, Bilt-Well Doors are truly built well. Perhaps, the most important contribution to the fine quality of Bilt-Well Doors is the scientific methods coupled with the latest modern manufacturing facilities. For example, Bilt-Well Doors are assembled with giant ($\frac{5}{8}$″) spiral-glue-cell dowels held fast with a highly water-resistant glue after being clamped under pressure.



B W - 2329

Bilt-Well Doors are manufactured of clear Ponderosa Pine, properly kiln-dried, and are in every respect a high-grade product. The raised panels are $\frac{9}{16}$″ thick.

The component parts measure:

Stiles and Top Rail	**5″ Face**
Lock Rail	**4$\frac{1}{2}$″ ″**
Bottom Rail	**9$\frac{5}{16}$″ ″**
Muntins	**3$\frac{13}{16}$″ ″**

Glass area is 26″ x 18″ for a 3′-0″ x 6′-8″ door.



1 First, the stiles are bored for dowels. This machine automatically takes the stile, bores it, and releases it. See arrow pointing to stile turned out after boring.



2 Then the stiles are placed on a carrier, and one by on they pass through this moulder, which cuts the stickin on one edge and surfaces the other edge—all in on operation.

THE CREATION OF A BILT-WELL DOOR

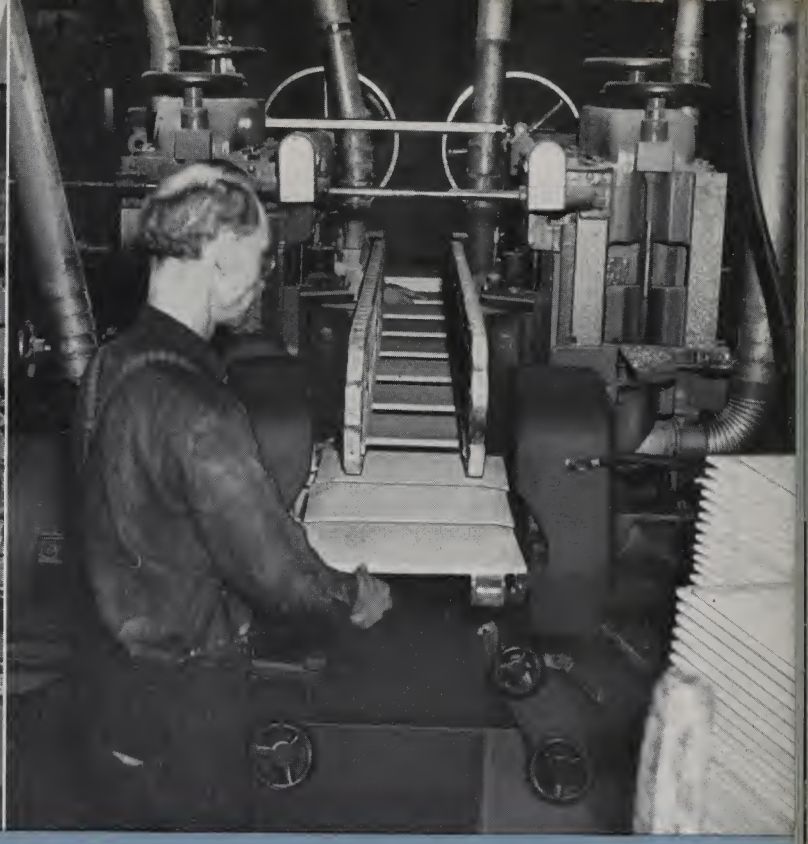
There are a lot of operations that go into making the Bilt-Well Door, and this is one of the reasons why they have proved to be the outstanding door over a long period of years. We would like to acquaint you with the many operations required in making something that appears to be as simple as a door. Yet the extreme care and scientific handling given the Bilt-Well Door can not in any way be shown in photographs or adequately described by words. The photographs on these pages show briefly how Bilt-Well Doors are made without confusing you with a lot of technical terms.



5 The rails are then run through the "three-in-one" machine which bores, inserts the glue, and drives the dowels—all in successive operations.



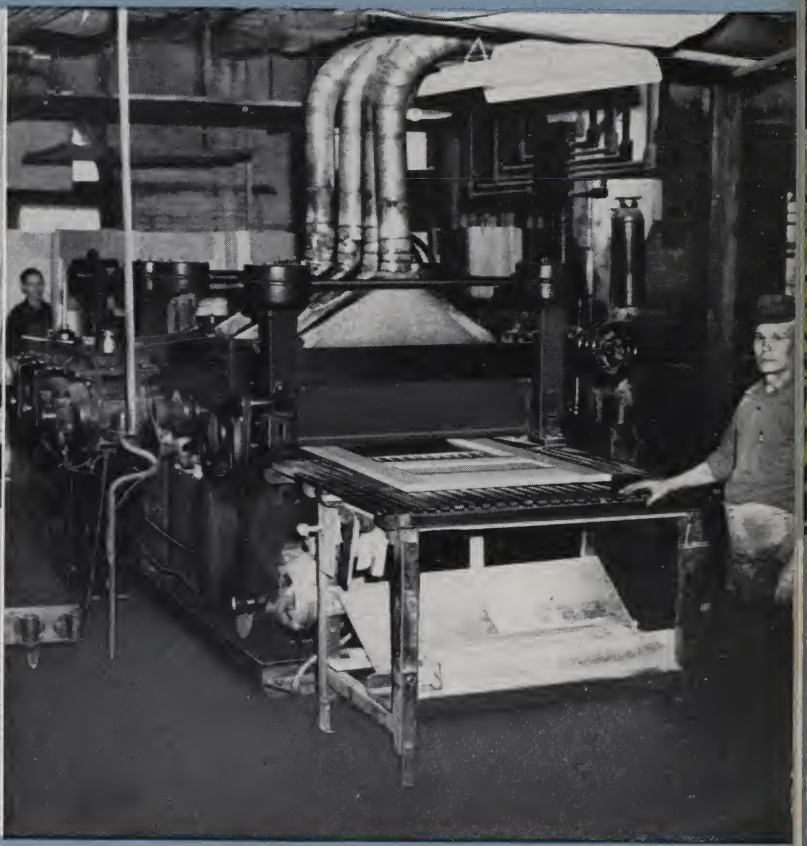
3 In the meantime other craftsmen are preparing the rails—the ends are coped to fit over the sticking on the stiles, after which they are bored for the dowels. The lumber passes through the machine automatically as each piece is carried by a conveyor.



4 The material for panels is cut and is now being machined with a hip raise on all four edges.

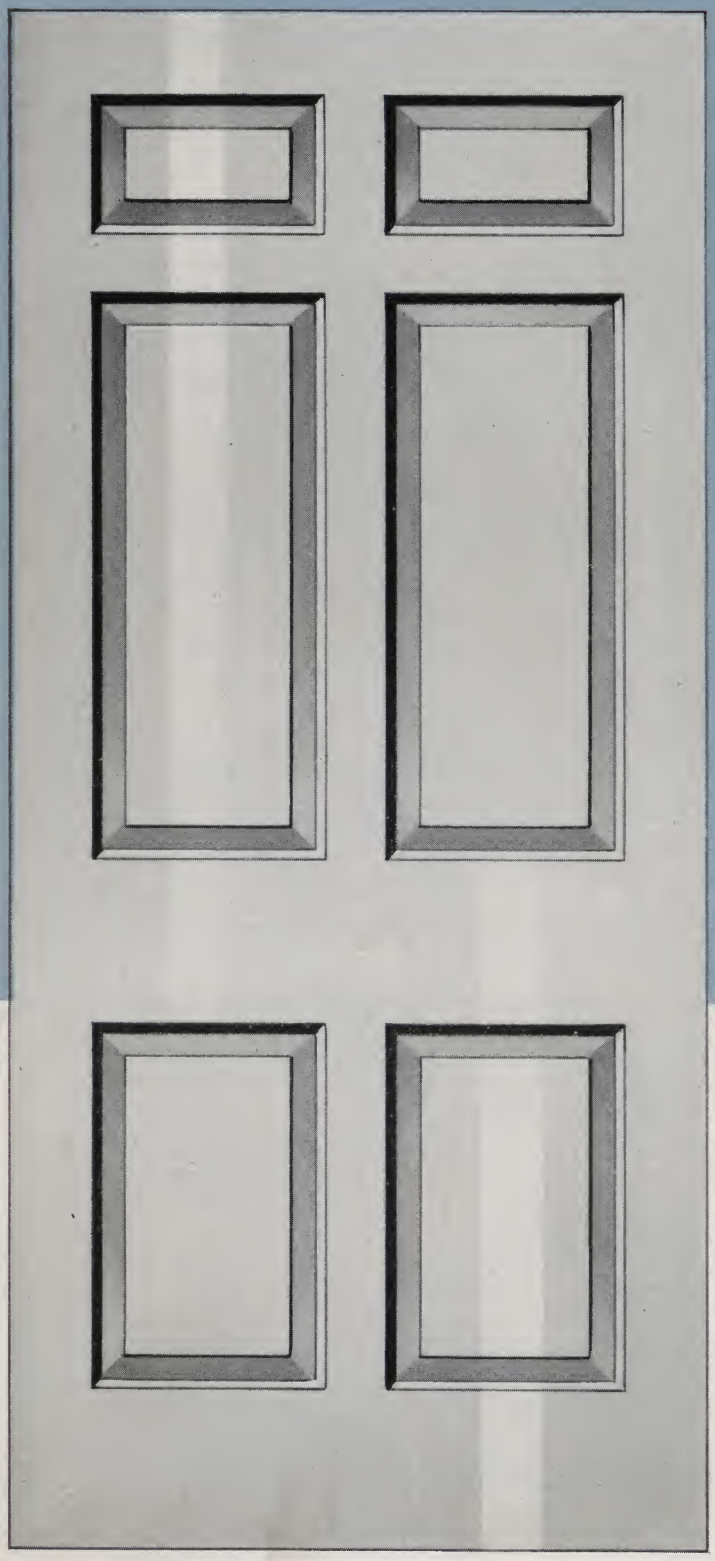


6 The component parts are now ready to be assembled, and here you see the power automatic clamp being used. The clamp is being closed and the dowels are being forced into the stiles.



7 Now the door is sanded. Here it is coming out, all polished and smooth. Let's see what was done: Four grades of sandpaper were used — No. 2-36E, No. 1½-40E, No. ½-60E, No. 2/0—100E. This machine has all four kinds of paper and when the door is finished, believe me, *it's smooth!* Each door is individually inspected after sanding.

Bilt-Well Doors BW-2332
BW-2335 BW-2340 BW-2342



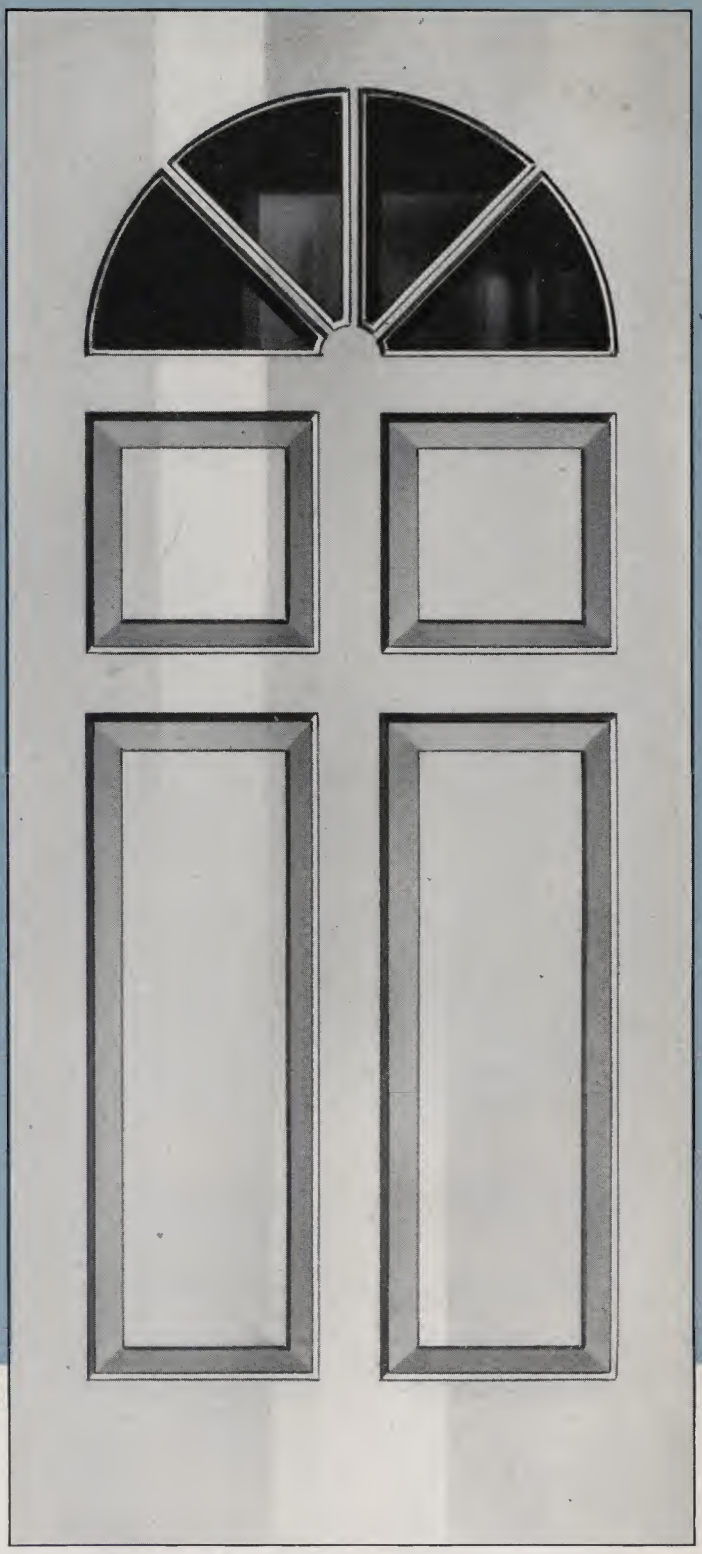
BW-2332



BW-2335

These authentic reproductions of Colonial Door Designs radiate a pleasing note of charm and dignity. They have the correct proportions that reflect good taste and their simplicity is an adjunct of genuine beauty. Bilt-Well Doors are produced of Ponderosa Pine Lumber that is properly kiln-dried.





B W - 2340

BW-2332

Stiles and Top Rail	**4¼″ Face**
Lock Rail	**8¾″ ″**
Bottom Rail	**8⁵⁄₁₆″ ″**
Muntins	**3″ ″**

BW-2339

Alternate type six panel door made according to these dimensions.

Stiles and Top Rail	**4¼″ Face**
Lock Rail	**7⅛″ ″**
Bottom Rail	**9⁵⁄₁₆″ ″**
Muntins	**3″ ″**

B W - 2342

BW-2335

Stiles and Top Rail	**4¼″ Face**
Lock Rail	**8¾″ ″**
Bottom Rail	**8⁵⁄₁₆″ ″**
Muntins	**3″ ″**

Glass size for 3′-0″ x 6′-8″ door each light 12, 1/8″ x 6, 7/8″.

BW-2340

Stiles and Top Rail	**4¼″ Face**
Lock Rail	**8¾″ ″**
Bottom Rail	**8⁵⁄₁₆″ ″**
Muntins	**3″ ″**

Glass size for 3′-0″ x 6′-8″ door each light 6″ x 12, 3/8″.

BW-2342

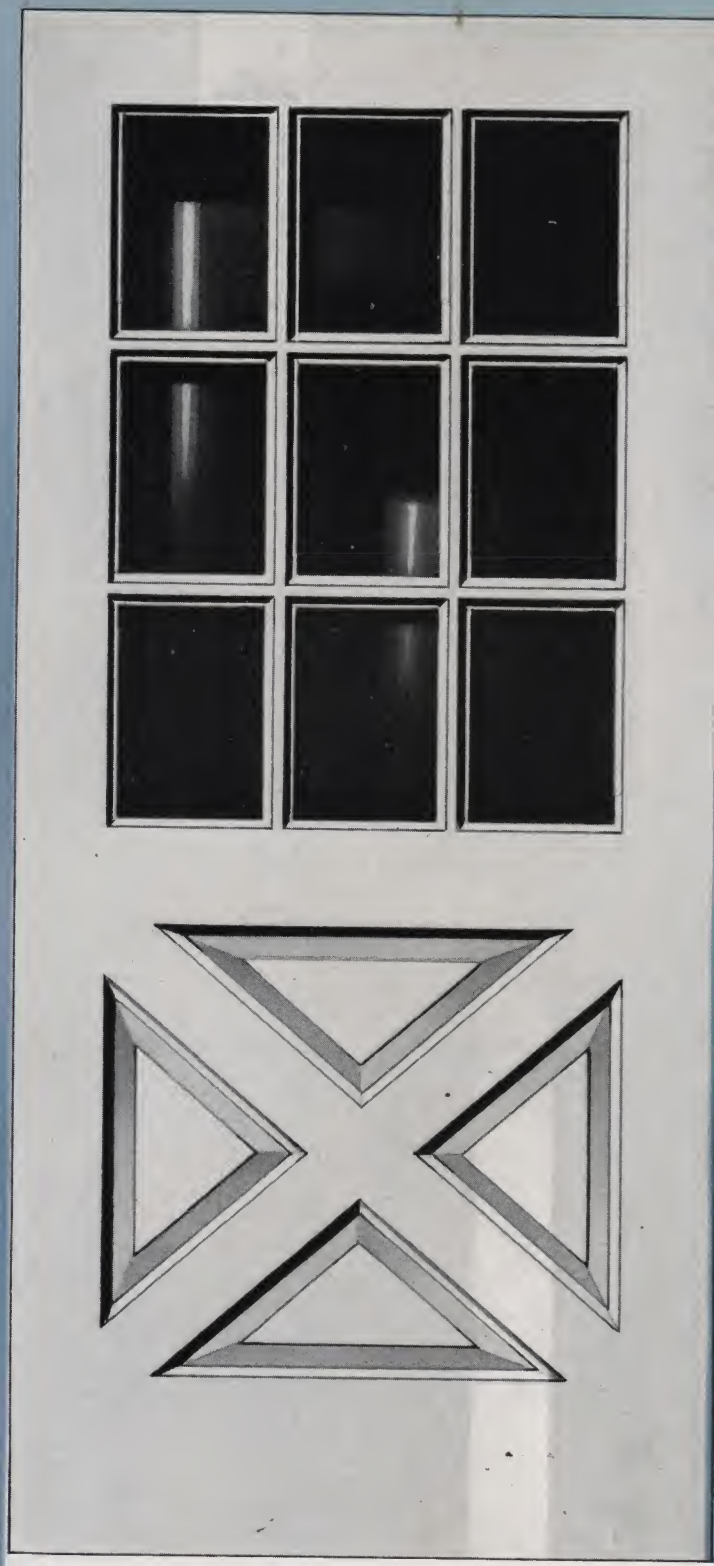
Stiles and Top Rail	**5″ Face**
Lock Rail	**3¹³⁄₁₆″ ″**
Bottom Rail	**9⁵⁄₁₆″ ″**
Cross Rail	**4½″ ″**

Glass size for 3′-0″ x 6′-8″ door each light approximately 10″ x 11″. Glass area 26″ x 13″.

Bilt-Well Doors BW-2346 BW-2350 BW-2355 BW-2356



BW-2346



BW-2350

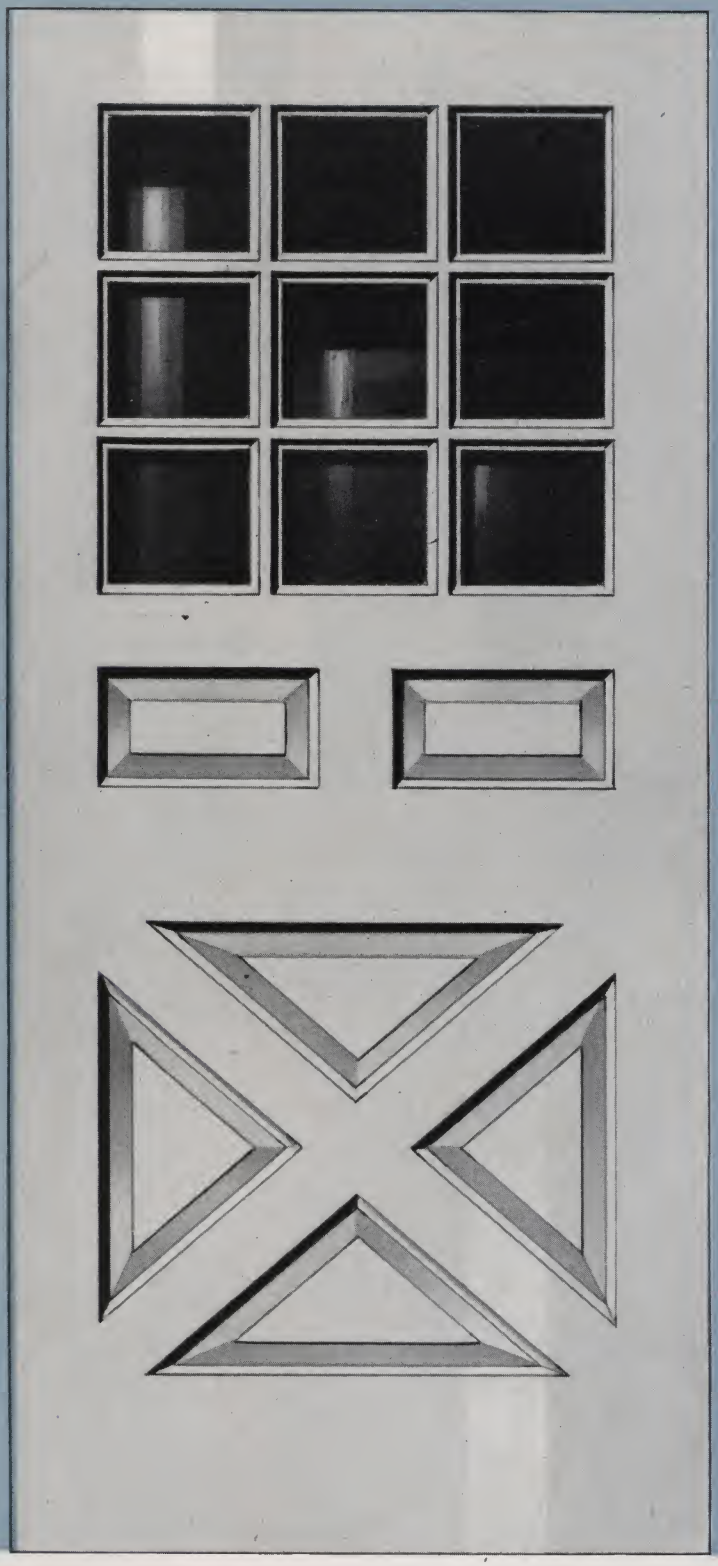
Produced from Ponderosa Pine that has been thoroughly seasoned and properly kiln-dried.

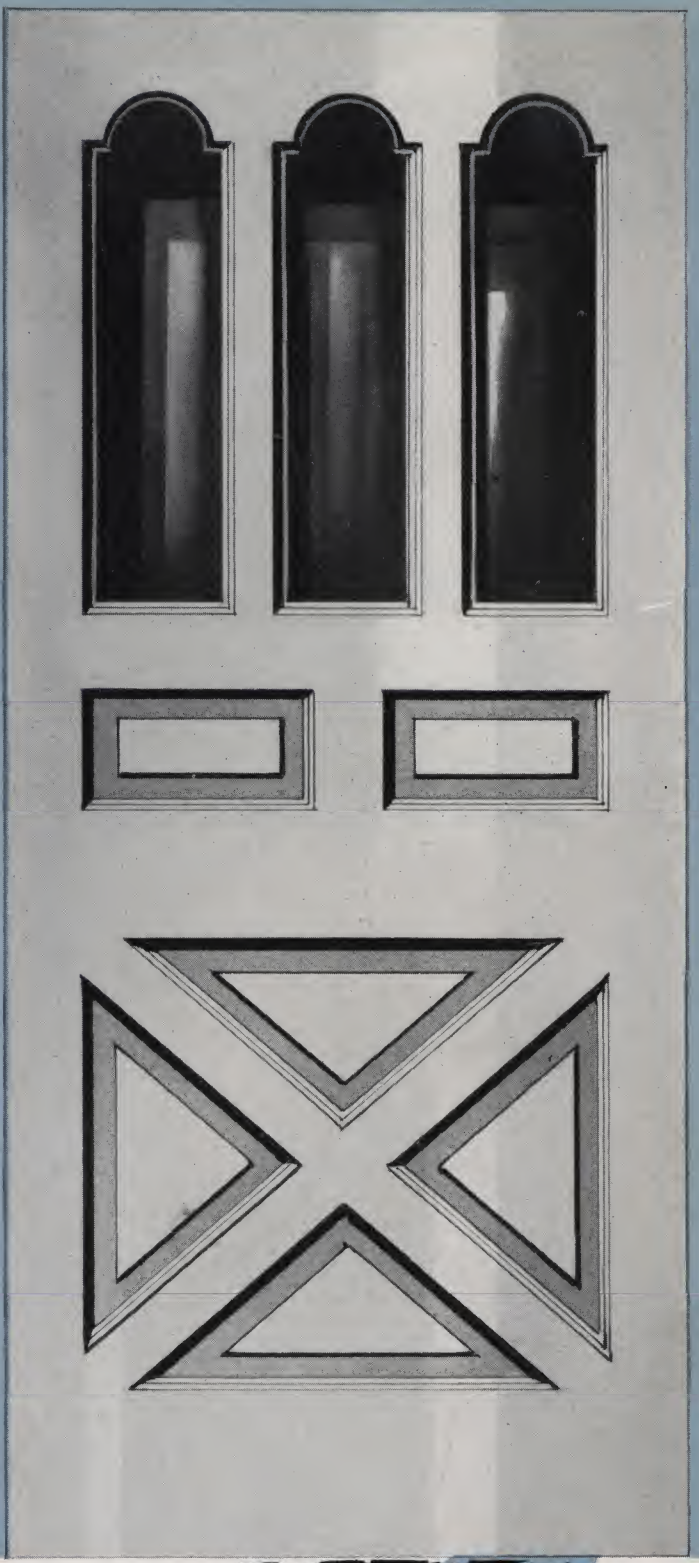
Dimensions of components parts are:

Stiles and Top Rails	**5″ Face**
Bottom Rail	**9 5/16″ "**
Muntins	**3 13/16″ "**

Lock Rails measure as follows:

BW-2346	**3 13/16″ Face**
BW-2350	**5 1/2″ "**
BW-2355 & BW-2356	**7 1/8″ "**





B W-2355

B W-2356

Glass area for a 3′–0″ x 6′–8″ door

BW-2346	26″ x 37″
BW-2350	26″ x 37″
BW-2355	26″ x 25¼″
BW-2356	26″ x 25¼″



Bill-Well Doors

B W - 2362 B W - 2364 B W - 2366 B W - 2368

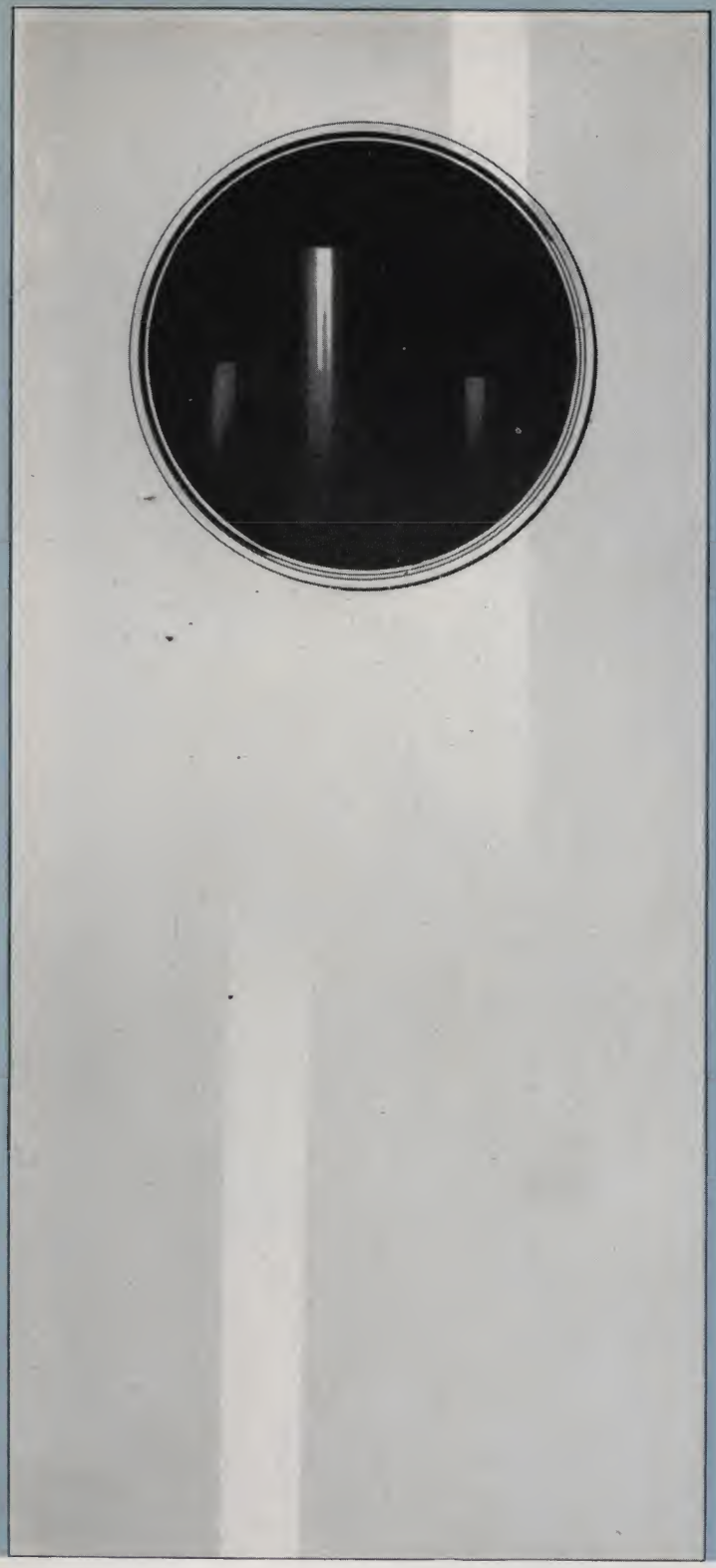


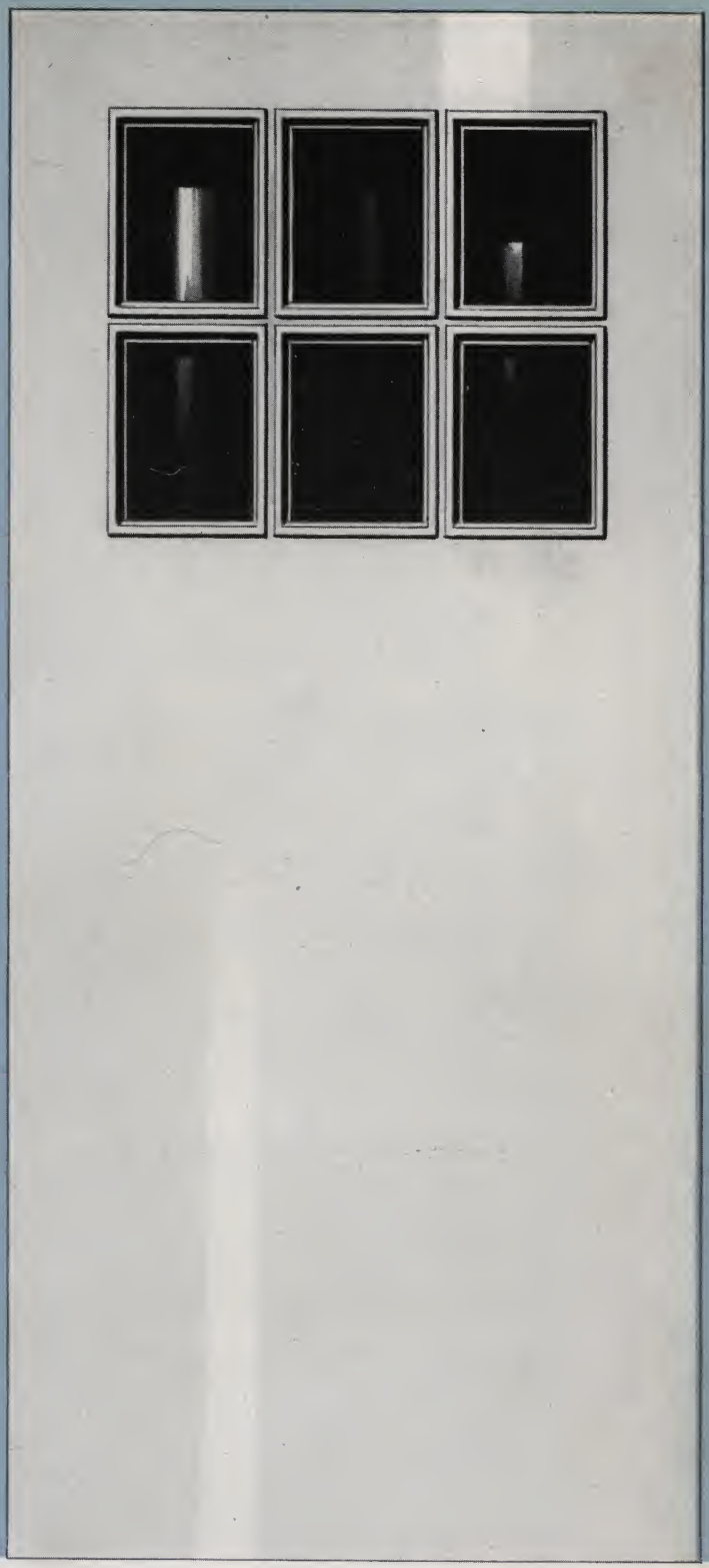


B W - 2362



B W - 2364





B W - 2366

B W - 2368

These attractive doors are adaptable to a modern exterior and as such they make a very impressive entrance. Frequently used in public buildings, as well as apartments, and residences. Their construction is unusually sturdy, and long, satisfactory service is insured by extreme care in manufacture.

Laminated construction consisting of a "Core", Cross Banding, and Face Veneers make up the completed door. All these component parts are properly kiln-dried; and when combined with a highly water-resistant glue, the results are a solid mass.

Glass areas measure as follows:

BW-2362 in a 3′–0″ x 6′–8″ door	**24″ x 20″**
BW-2366 in a 3′–0″ x 6′–8″ door	**20″ x 20″**
BW-2368 in a 3′–0″ x 6′–8″ door	**24″ x 20″**

Each light of BW-2364 is 6½″ x 14″.

Bilt-Well Doors B W-2373 B W-2374 B W-2378 B W-2380 B W-2382



B W-2373



B W-2374

These popular doors have excellent qualities for long service and are intended for residences, apartments, and public buildings.

Dimensions of component parts are:

Stiles for Doors 3′–0″	**5″ Face**
Stiles for Doors over 3′–0″	**6″ ″**
Top Rail	**6″ ″**
Bottom Rail	**18″ ″**

The large glass area is particularly desirable for admitting natural light. The glass is 26″ x 56″ in each, calculated on 3′–0″ x 6′–8″ size of door, and it is securely held with wood stops.



B W-2378

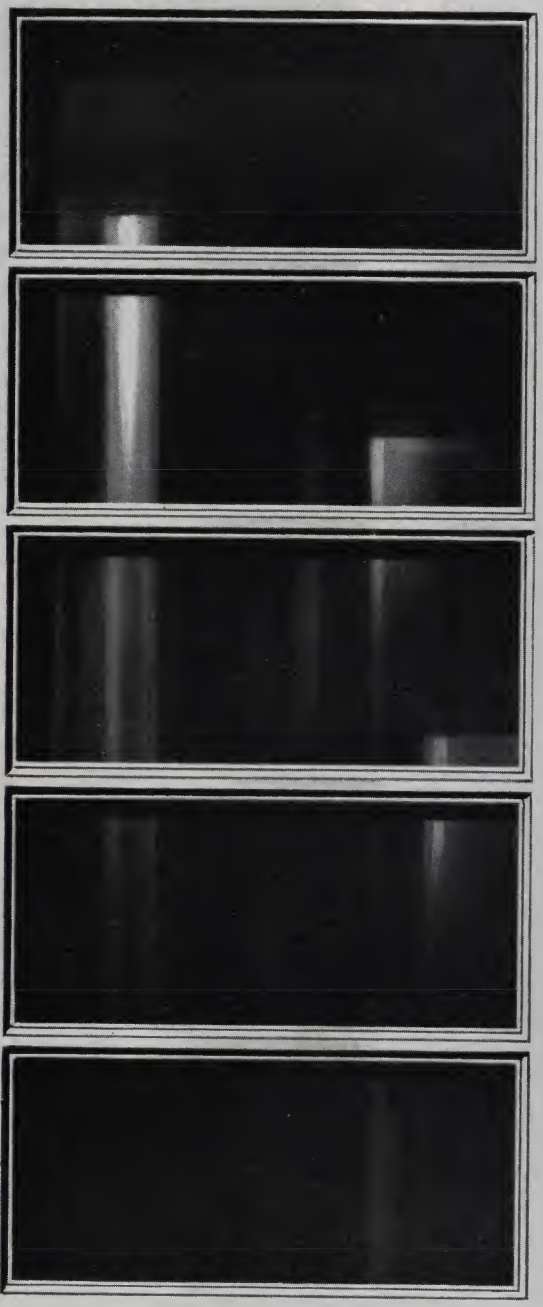
B W-2380

B W-2382

BILT WELL WOOD WORK

Bill-Well Doors BW-2385 BW-2387 BW-2389 BW-2400

Three Terrace Doors of unusual proportions, as at
tractive from the inside looking out as they appea
from the garden. They are appropriate for vestibule
and can be used on the balcony, too. Their uses ar
unlimited and one can think of few places where the
would be in poor taste.



BW-2385



BW-2387

Dimensions of component parts:

Stiles and Top Rail	**4¼″ Face**
Bottom Rail	**9⅝″ "**
Division Bars between glass	**½″ "**

Glass area is 27½″ x 66½″ for a 3′–0″ x 6′–8″ door



B W - 2389



B W - 2400

This door is an English design but can be appropriately adapted for most any Front Entrance. It is, of course, in good taste when used on homes with stone, brick, or stucco exterior walls. Produced from Ponderosa Pine, kiln-dried, and accurately machined. It has flat panels.

Dimensions of component parts:

Stiles and Top Rail	**5″ Face**
Bottom Rail	**9⅝″ "**
Muntins and Rail	**2″ "**

Bilt-Well Doors

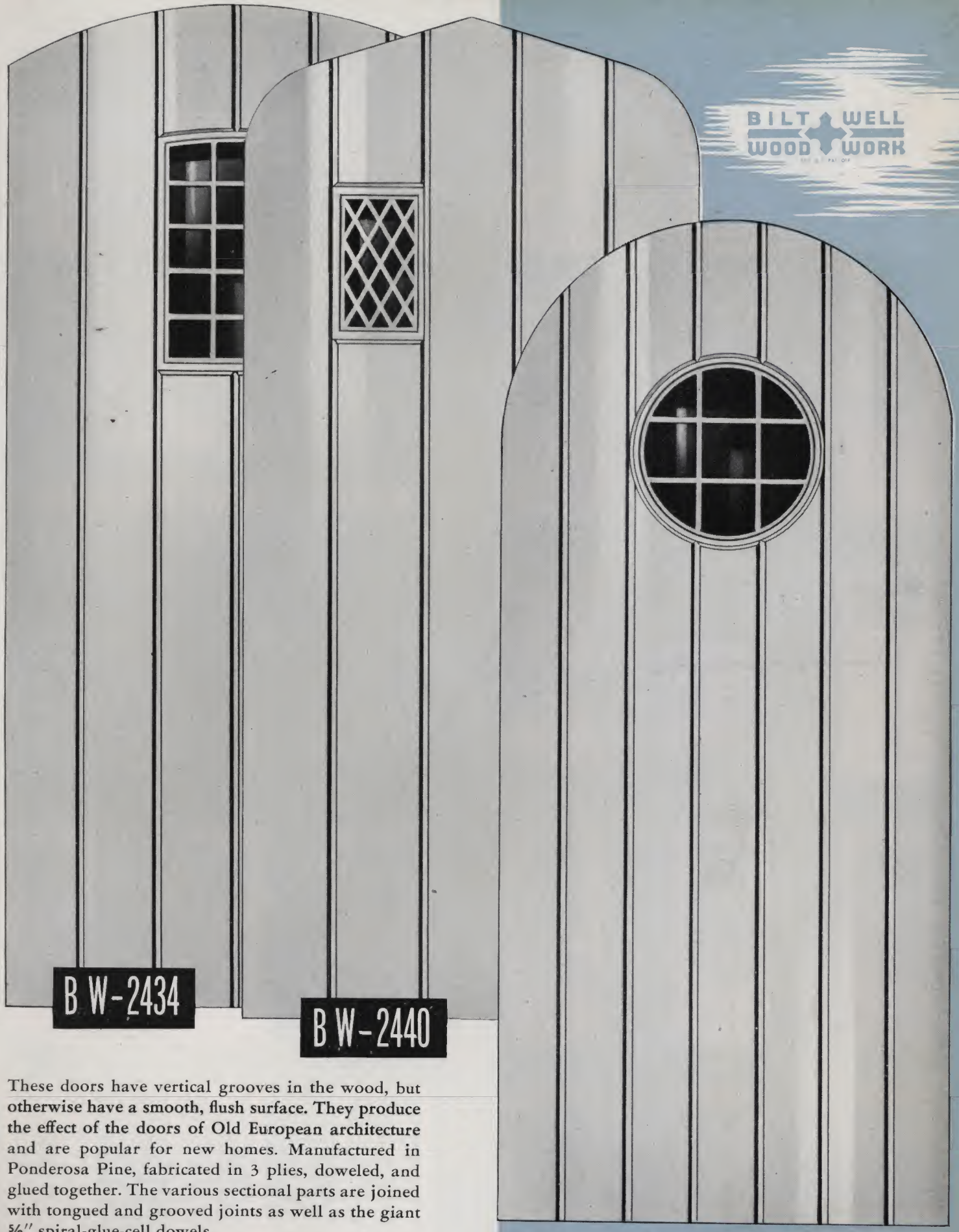
B W - 2431 B W - 2432 B W - 2433
B W - 2434 B W - 2440 B W - 2450



B W - 2433

B W - 2431

B W - 2432



These doors have vertical grooves in the wood, but otherwise have a smooth, flush surface. They produce the effect of the doors of Old European architecture and are popular for new homes. Manufactured in Ponderosa Pine, fabricated in 3 plies, doweled, and glued together. The various sectional parts are joined with tongued and grooved joints as well as the giant 5/8" spiral-glue-cell dowels.

Glass Area:		
	BW-2432	11 7/8" x 11 7/8"
	BW-2433	5" x 10" Each
	BW-2434	11 7/8" x 19 1/8" Light
	BW-2440	7" x 12"
	BW-2450	15 1/2" diameter.



BW-2244
See Page 4



BW-2245
See Page 4



BW-2246
See Page 5



BW-2249
See Page 5



BW-2250
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BW-2253
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BW-2275
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BW-2276
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BW-2277
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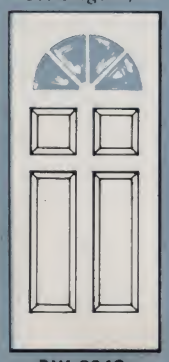
Summary of BILT-WELL EXTERIOR DOORS

Where beauty is so uniform and designs so comparable, this spread of illustrations is intended to be of real service in making a choice. Also it will add in locating doors according to Bilt-Well numbers.

BILT WELL WOOD WORK



BW-2323
See Page 14



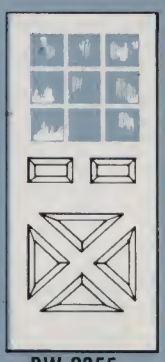
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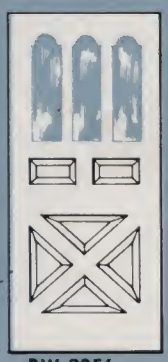
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See Page 20



BW-2350
See Page 20



BW-2355
See Page 21



BW-2356
See Page 21



BW-2362
See Page 22



BW-2380
See Page 25



BW-2382
See Page 25



BW-2385
See Page 26



BW-2387
See Page 26



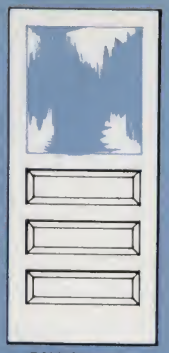
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See Page 27



BW-2400
See Page 27



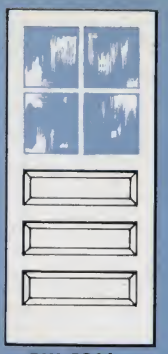
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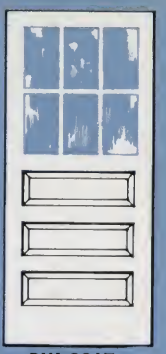
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BW-2264
See Page 8



BW-2266
See Page 9



BW-2267
See Page 9



BW-2270
See Page 10



BW-2279
See Page 11



BW-2290
See Page 12



BW-2294
See Page 12



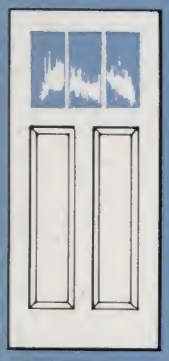
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BW-2304
See Page 13



BW-2308
See Page 13



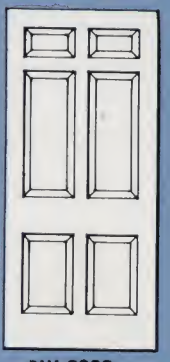
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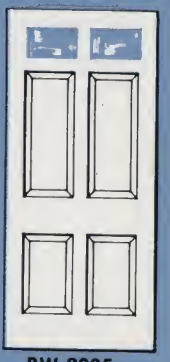
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See Page 15



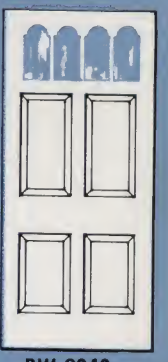
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See Page 15



BW-2332
See Page 18



BW-2335
See Page 18



BW-2340
See Page 19



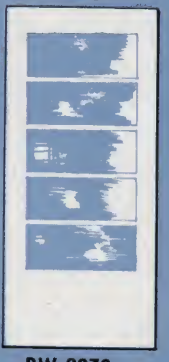
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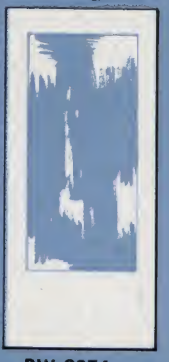
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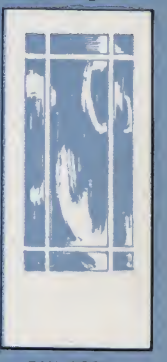
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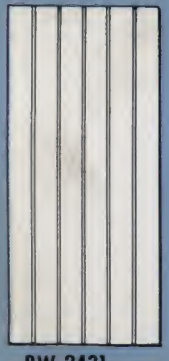
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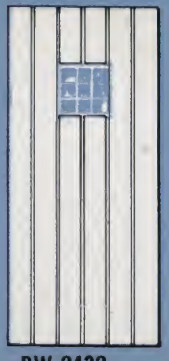
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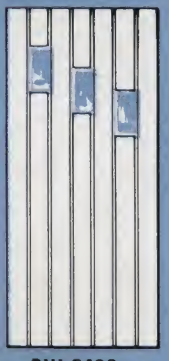
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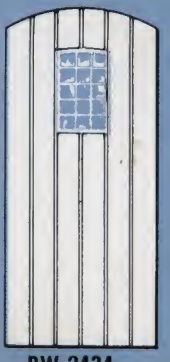
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See Page 28



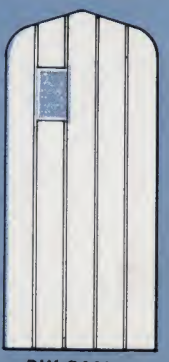
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See Page 28



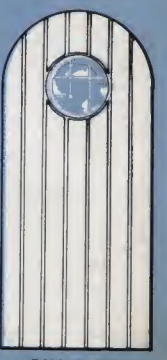
BW-2433
See Page 28



BW-2434
See Page 29



BW-2440
See Page 29



BW-2450
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Extra strength is derived from engaging the moulded edges of the rail and the stile. The additional rigidity and prevention from twisting are the prime objectives.



BILT-WELL DOOR FEATURES

CORNER: The great strength of Bilt-Well Doors is revealed in this photograph. The Giant (5/8″) Dowels have a firm grip on the stiles and on the rail, to which add the adhesion of water-resistant glue.

A Door can be no better than its panels. Bilt-Well is one of the few door manufacturers to adopt 9/16″ raised panels. The moulding shown is the standard ovolo sticking used throughout Bilt-Well Doors.





Spiral-glue-cell Dowels . . . The glue on a plain, round dowel is forced from the surface because it has no place to lodge; whereas, in the case of the Bilt-Well Dowel the glue remains in the spiral glue cells when inserted into the boring.

FOR THE SMALLER TYPE OF HOME

BILT-WELL FRONT ENTRANCES



BILT WELL WOOD WORK
REG U S PAT OFF

YOU DON'T NEED WELCOME ON THE DOOR MAT . . . . .

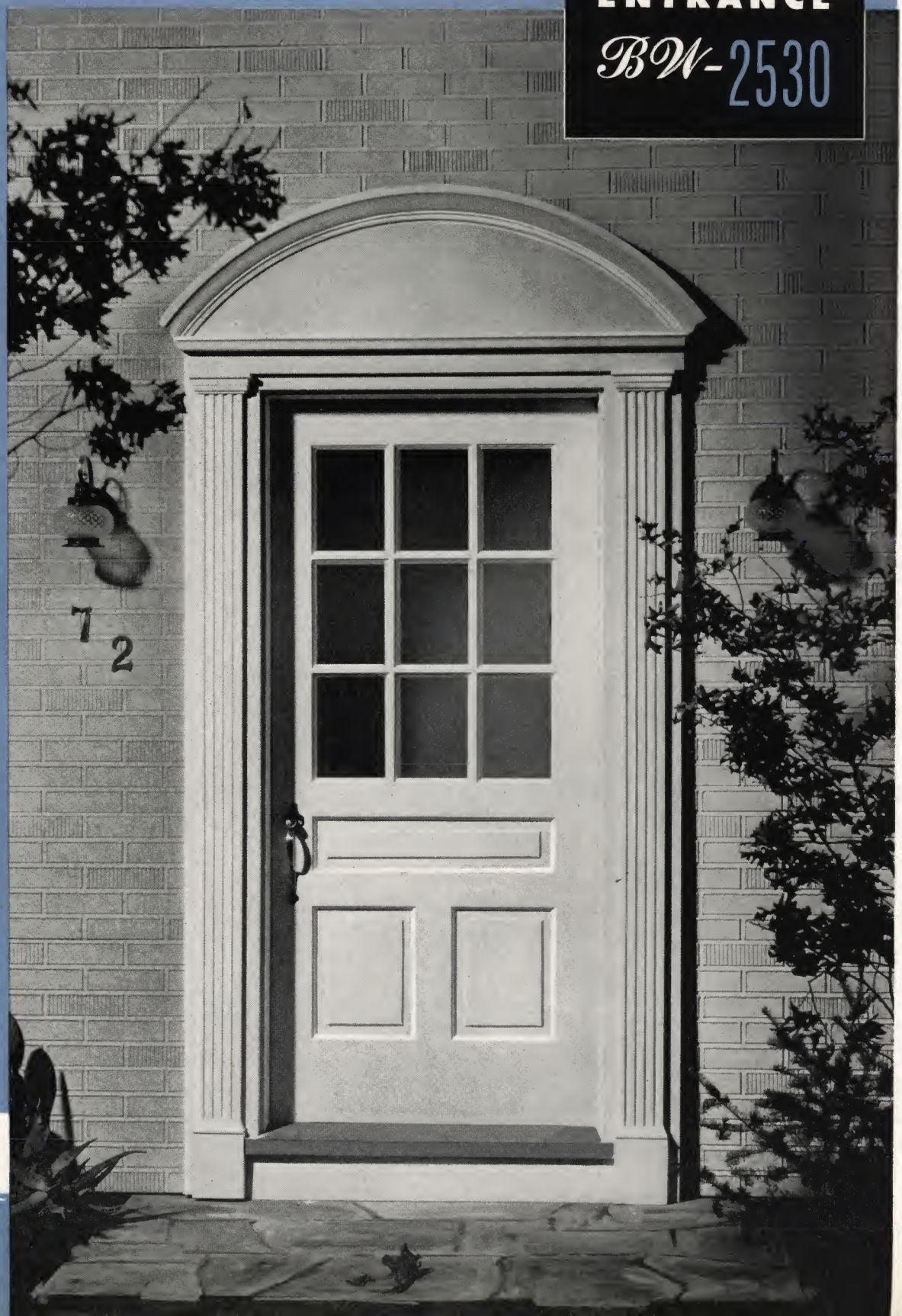
You don't need WELCOME on the door mat . . . Nothing about the Small Home is more interesting than its doorway—and it need not be elaborate to be beautiful. Beauty throughout all Bilt-Well Entrances is contributed by the fluting of the pilasters beneath the cap and the correctly proportioned moulding—just what is needed to set off the charm of the doorway.

A.I.A. File Number 19-E-12

All Bilt-Well Entrances are produced for a 3 ft. by 7 ft. door opening but are adjustable in both width and height down to 2 feet, 8 inches by 6 feet, 8 inches without destroying the beautiful proportions. Over-all dimensions of BW-2530 are 4′-7¾″ x 9′-4⅞″. Shown with Door BW-2346.

BILT-WELL FRONT ENTRANCE

BW-2530



BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.

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BILT-WELL FRONT ENTRANCE BW-2531

They are for any standard type of wall—stud wall, brick-veneered, or solid masonry. When ordering for the latter two, please ask for "extension jambs" and give maximum thickness of wall. Over-all dimensions of BW-2531 are 4′-6¼″ x 8′-5⅜″. Shown with Door BW-2342.



BILT-WELL WOOD WORK
REG. U. S. PAT. OFF.

All Bilt-Well Entrances are manufactured of clear Western Pine thoroughly kiln-dried and chemically treated with "Permatol A." This chemical treatment prolongs the life of the wood by preventing fungus growth—the plant germ which causes decay.

Over-all dimensions of BW-2532 are 4′-7⅛″ x 9′-7⁷⁄₁₆″. Shown with Door BW-2340.

BILT-WELL FRONT ENTRANCE

BW-2532



BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.



BILT-WELL FRONT ENTRANCE BW-2533

Standardization of these designs permits efficient mass production methods making it possible to produce these beautiful doorways at a fraction of their actual cost if produced individually. Over-all dimensions of BW-2533 are 4′-7⅛″ x 9′-4 15/16″. Shown with Door BW-2335.

THE BILT-WELL ENTRANCE FEATURES ARE PRACTICAL

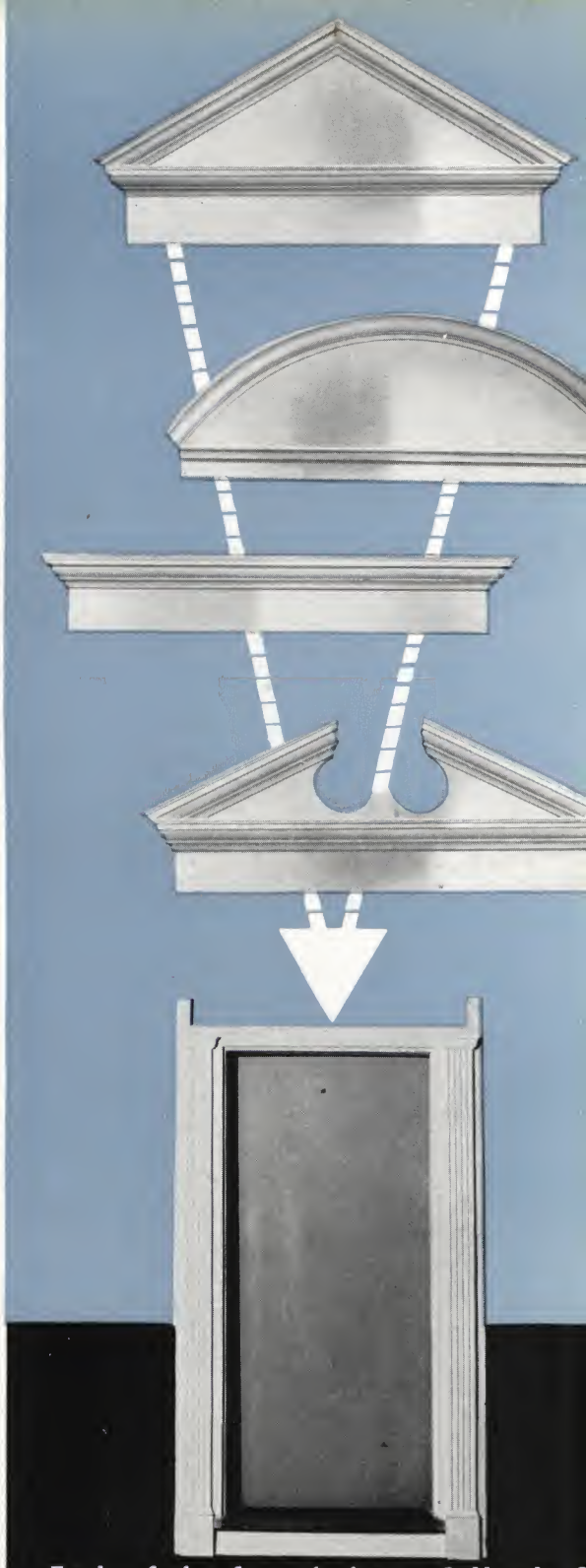
Many Possible Variations . . .
Unusual Flexibility

With these new attractive designs the opportunity is provided for greatly increasing sales volume.

They are scaled down proportionately from our other line of Bilt-Well Entrances to ideally fit the smaller house, for which there is a vast market open for those who push sales of these new Entrances. These four new entrances have one standard base, and the four entrance heads are interchangeable. From these, innumerable variations are possible by interchanging heads, doors, and reversing pilasters. All this can be done from a stock of one kind of standardized base and the four entrance head designs.

Bilt-Well Entrances are manufactured of carefully selected Ponderosa Pine and are chemically treated with Permatol "A" to resist decay caused by fungus growth. They consist of heads put together, reversible pilasters, caps, bases and casings, K. D., semi-assembled. The Entrance does not include jambs and sill unless ordered. The sill, when furnished, is Oak to insure long-wearing qualities.

These Entrances are standardized for a 3′-0″ x 7′-0″ door and are adjustable down to a 2′-8″ x 6′-8″ door by adding a two-inch strip on the casing.



Each of the four designs of Heads f
this Standardized Base. Variations i
appearance are simple, as each Pilaste
has a plain surface and a fluted surface



ASSEMBLING THE BILT-WELL ENTRANCE IS EASY

1. This entrance is machined for a 3'-0" x 7'-0" door. Check the opening in the frame with the door size before setting up jamb, etc. Check sill-lug which should be $1\frac{3}{4}$" from face of jamb after assembly. After the door jambs and sill are installed, place the head casing on the head jamb allowing a $\frac{1}{2}$" reveal. Center the head casing to leave the same extension beyond the side jambs at each end. See illustration No. 1.

2. Place the two side casings ($7'\text{-}8\frac{3}{16}" \times 3\frac{11}{16}" \times 1\frac{1}{16}"$) over the side jambs allowing a $\frac{1}{2}$" reveal at the sides. See illustration No. 2. Cut a bevel-notch into the side casing so that it will fit over the sill. Note: Length of side casings as furnished ($7'\text{-}8\frac{3}{16}"$) are for use with extension jambs. When no X jamb, cut to $7'\text{-}7\frac{1}{2}"$. (Do not cut off $8'\text{-}4\frac{3}{8}"$ end pieces.)

3. Place the end pieces ($8'\text{-}4\frac{3}{8}" \times 2\frac{7}{16}" \times 1\frac{1}{16}"$) as follows. Butt these pieces against the ends of the head casing, keeping them plumb with the side casings. The bottom ends should be 7" below a point level with the top of the sill, back at the door opening, and will line with side casings if note above has been followed.

4. Nail the pilaster bases on the casings and end pieces, butting them against the ends of the sill and even with the bottom of the end pieces (7" below the top of the sill). Place the pilaster shafts (cut $6'\text{-}10\frac{11}{16}"$) on top of the pilaster bases, and nail to the side casing and end piece, fluted or plain side of pilaster shaft out as desired. The pilaster caps can now be fastened on top of the pilasters.

5. Place the entrance head on top of the pilaster caps, lining the outside edges with the outside edges of the pilasters.



1.



2.



3.

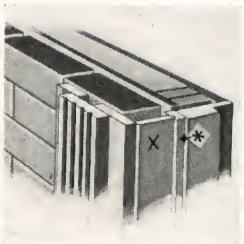


4.

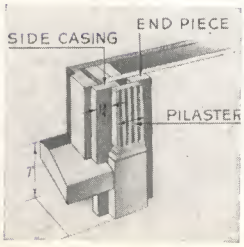


5.

This illustration shows how a Bilt-Well Entrance is installed in a Brick-Veneered or Solid Masonry wall. Between the jambs and the casings add an extension jamb indicated by an "x" and a hanging stile "*". Follow instructions 1 and 2 except set head and side casing $\frac{3}{16}$" reveal from face of extension jamb and proceed with instructions 3, 4, and 5. Pilasters will remain $1\frac{11}{16}$" from outside edge of End Piece.



When the platform is to be less than 7" from a point level with the top of the sill, cut off the length of casings and pilaster bases as much as this measurement is less than 7".



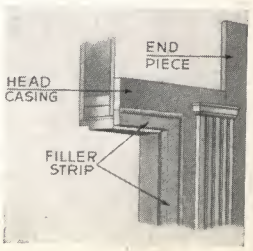
EXCEPTIONS

For a 3'-0" x 6'-8" door opening, follow the instructions for a 3'-0" x 7'-0" door opening, EXCEPT cut 4" off the length of all the vertical pieces—Side Casings, End Pieces, and Pilaster Shafts.

For a 2'-8" x 6'-8" door opening, follow the instructions for a 3'-0" x 7'-0" door opening, EXCEPT cut 2" off the length of all vertical pieces—Side Casings, End Pieces, and Pilaster Shafts.

Place a ($2" \times 1\frac{1}{8}"$) filler strip around the door opening, leaving a $\frac{1}{2}$" reveal and apply a $\frac{1}{2}$ round moulding over the joint.

Note: In reducing door opening width in frame, do not shorten sill length ($3'\text{-}2\frac{1}{2}"$) on outside.

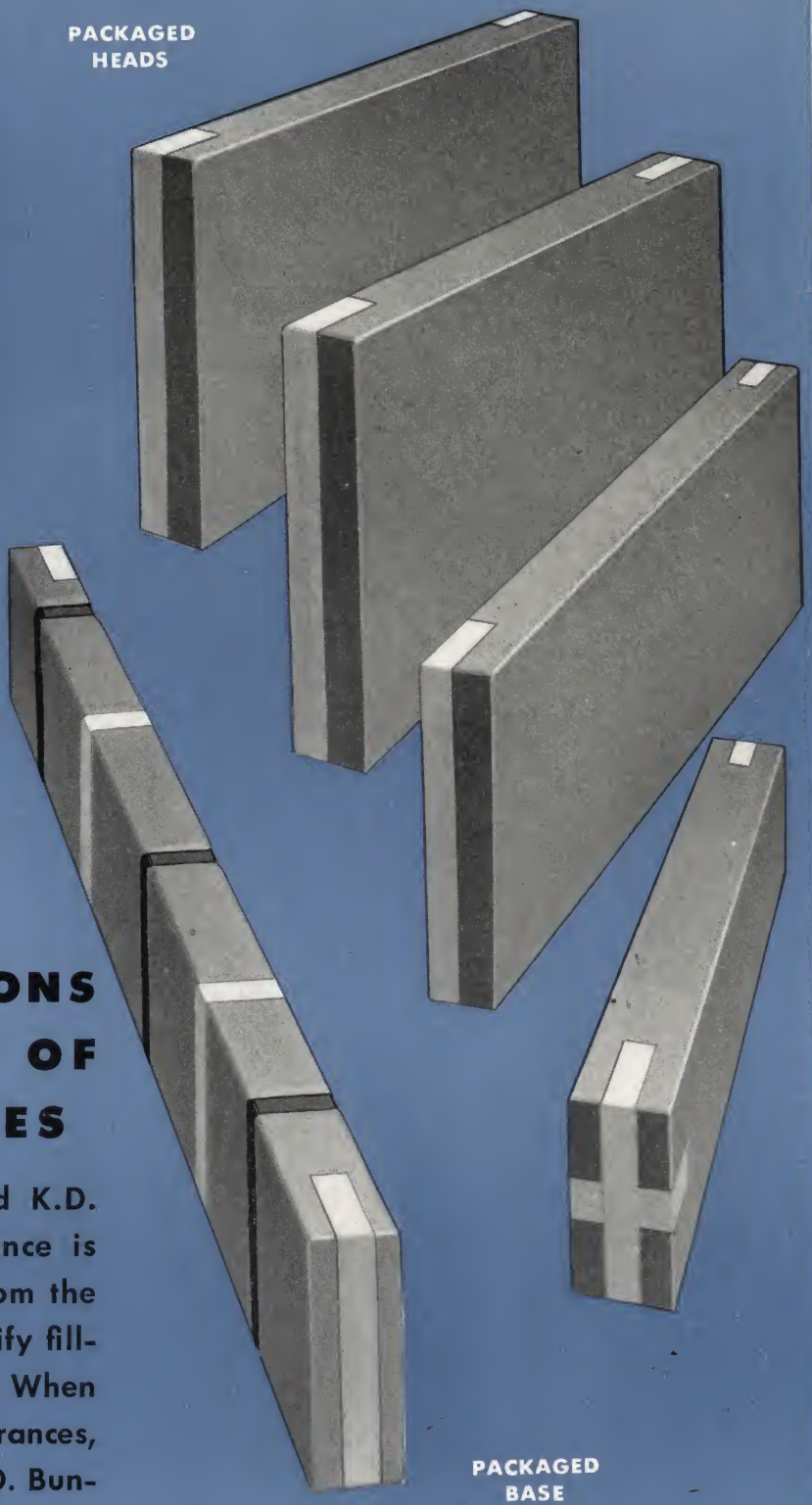




An instruction sheet to guide the carpenter when assembling the Entrance on the job is enclosed in each carton containing the base section. These sheets clearly describe, step by step, the process of installation.

DUST-PROOF CARTONS FOR PROTECTION OF HEADS AND BASES

Bilt-Well Entrances are furnished K.D. semi-assembled, and each Entrance is packed with the head separate from the base section. This is done to simplify filling orders from warehouse stock. When the frame is ordered with the Entrances, the jambs and the oak sill are K.D. Bundled and Strap Banded.





BILT-WELL FRONT ENTRANCES

BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.

A.I.A. File Number 19-E-12

DISTINCTIVE IN DESIGN . . . OUTSTANDING IN CRAFTSMANSHIP . . . CONVERTIBLE FEATURE OFFERS MANY VARIATIONS

A Bilt-Well Doorway will add that note of distinction that you want on a home of your own. This will be especially true when you consider that Bilt-Well Entrances have been designed with a thorough understanding of historical authenticity combined with modern styling. These beautiful doorways offer the flexibility needed to meet widely varying house designs. Volume production makes it possible to offer these unusually attractive Entrances to you at a surprisingly low cost. Just another example of what Bilt-Well leadership in woodwork gives you in outstanding design, skill of expert craftsmen . . . all at a price you can afford.

INTERCHANGEABLE HEADS
ADJUSTABLE DOOR OPENINGS
STANDARDIZED JAMBS
REVERSIBLE PILASTERS



BILT-WELL WOOD WORK



BILT-WELL FRONT ENTRANCE BW-2534

Richness of detail and expert craftsmanship usually associated with custom-built work are combined in this 18th Century Doorway with its urn, dentils, and pilasters—all in perfect proportions. Yes, this doorway says welcome with character and individuality. As with the others illustrated here, the doors can be interchanged with the Entrance of your own selection. Over-all dimensions of BW-2534 are 5′-9⅝″ x 10′-9 1/16″. Shown with Door BW-2335.

The rounded pediment, a favorite expression of authentic Colonial, is here offered in dentil design found in the later Georgian period. There is a feeling of substantial beauty in this distinctive design. The classic pilasters and the massive head are noteworthy features which make a doorway that any owner will be proud of. Over-all dimensions of BW-2538 are 6′-0⅛″ x 10′-9 1/16″. Shown with Door BW-2340.

BILT-WELL FRONT ENTRANCE

BW-2538

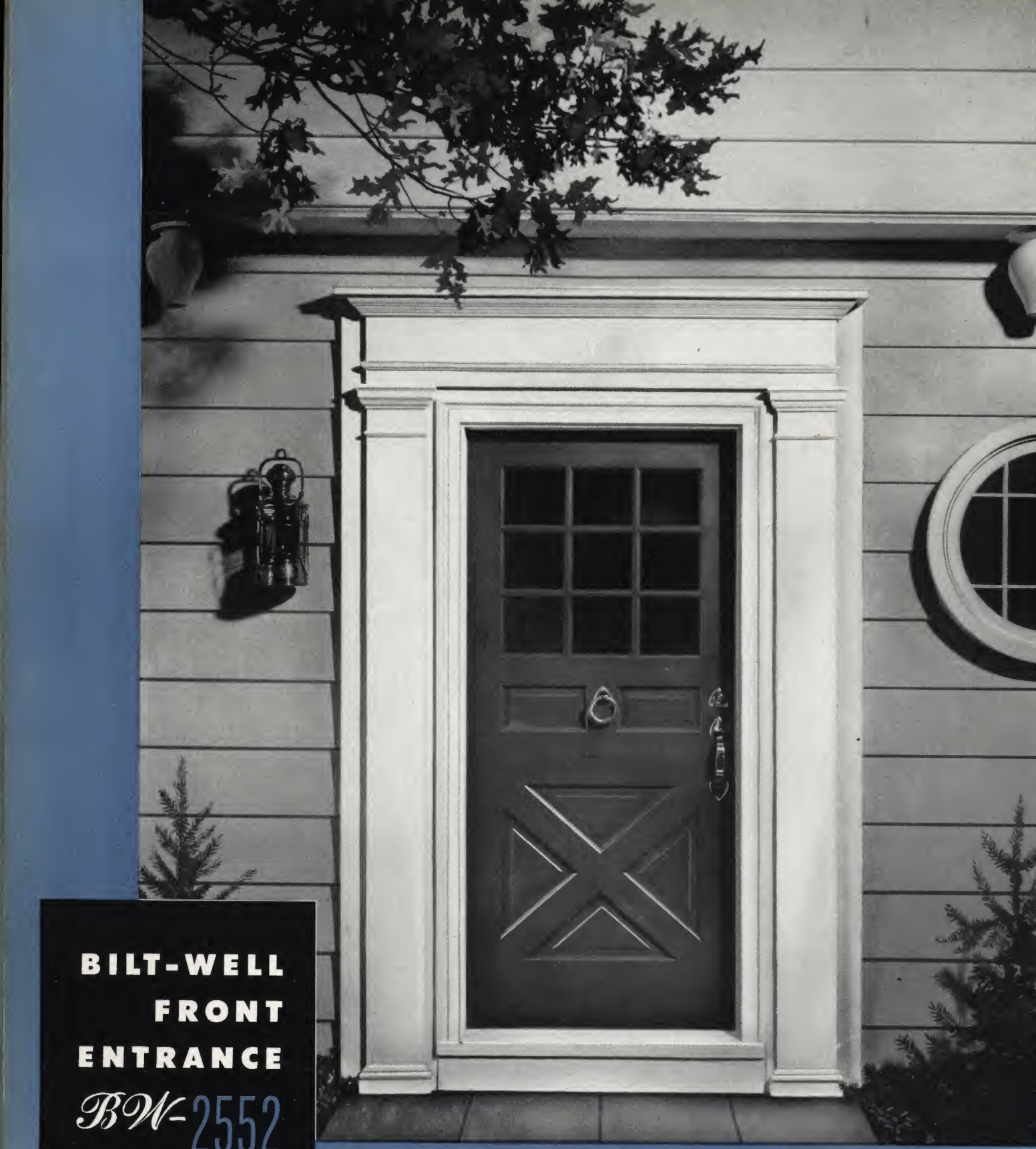


BILT-WELL FRONT ENTRANCE BW-2544

Like the doorway on the opposite page this is another splendid Georgian example of the more formal type. It is similar to several of the more ornate Williamsburg Designs. The urn in the head and the scrolled pediment further emphasize dignity and beauty. Over-all dimensions of BW-2544 are 5′-9½″ x 10′-4⅜″. Shown with Door BW-2332.



BILT-WELL WOOD WORK



BILT-WELL FRONT ENTRANCE

BW-2552

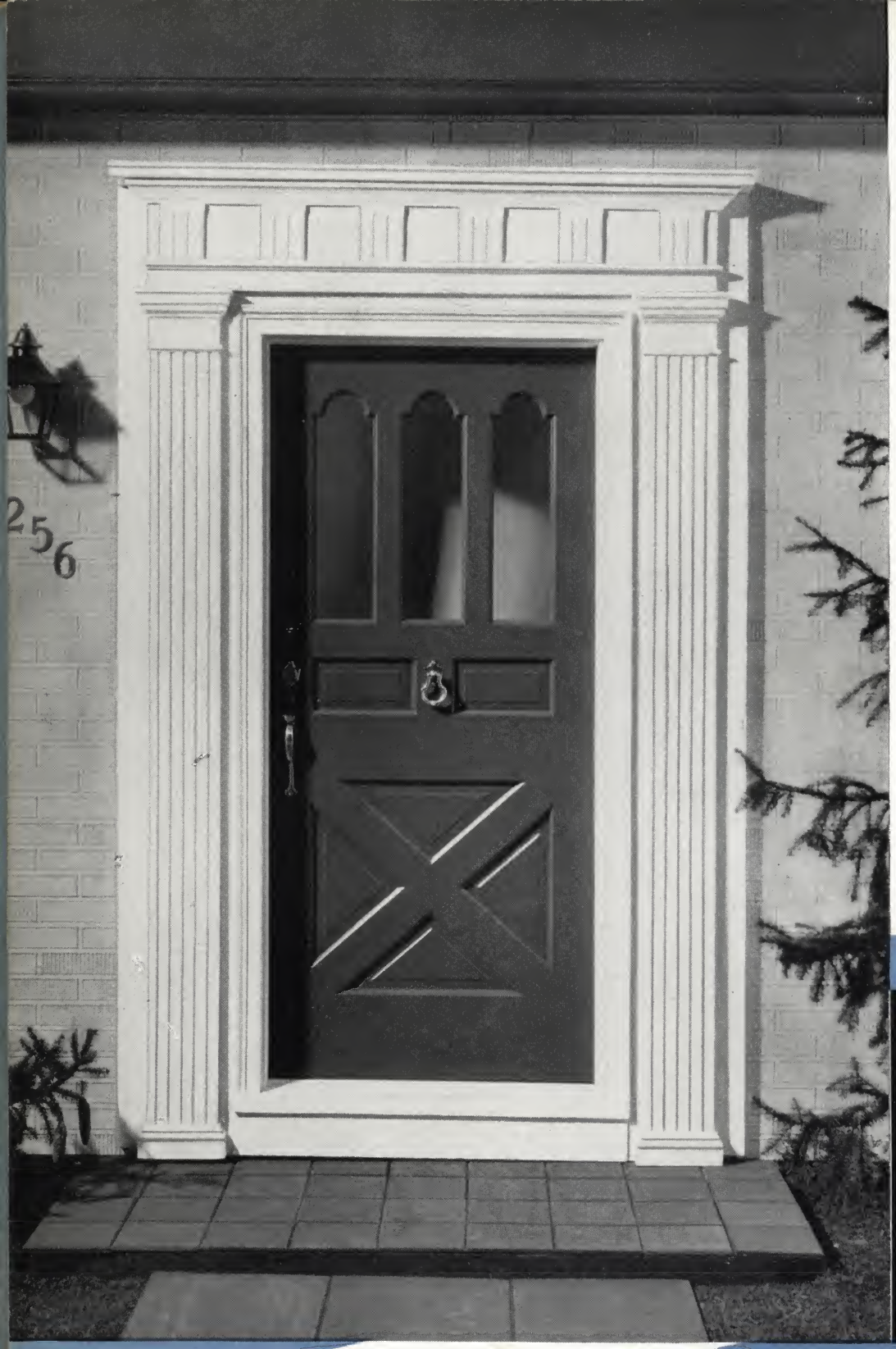
An ideal doorway for a home where living is more informal than otherwise. When used with the door shown, it gives a friendly hospitable note that lends charm to the general effect. Where desired the pilasters can be reversed to show the fluting which offers a little more detail. Over-all dimensions of BW-2552 are 5′-6⅞″ x 9′-0 7/16″. Shown with Door BW-2355.

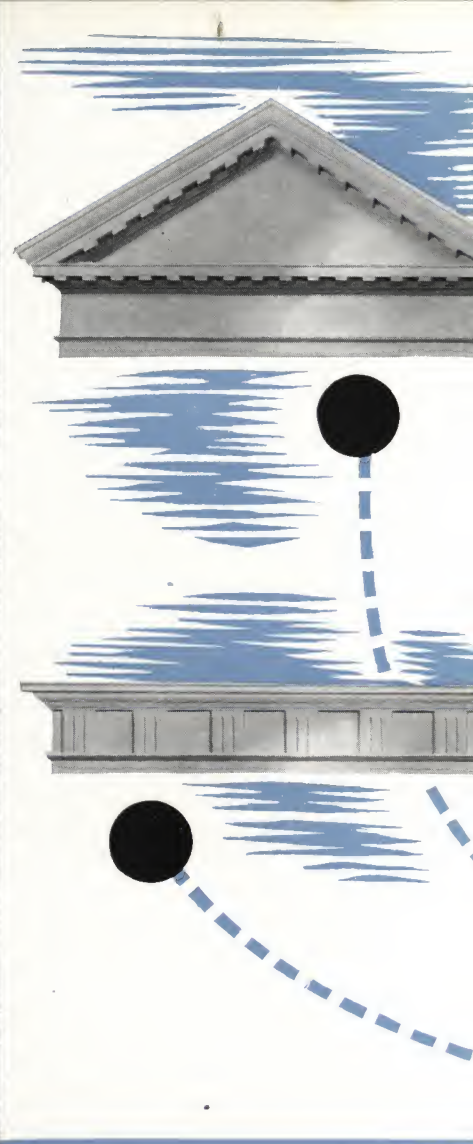
BILT-WELL FRONT ENTRANCE

BW-2556

The dentil courses on the frieze and on the cornice add interest to this attractive design with its fluted pilasters and moulded caps and bases. This is a particularly impressive doorway, typical of the lovely old Colonials in Eastern Pennsylvania. Over-all dimensions of BW-2556 are 5′-9⅝″ x 10′-11½″. Shown with Door BW-2350.



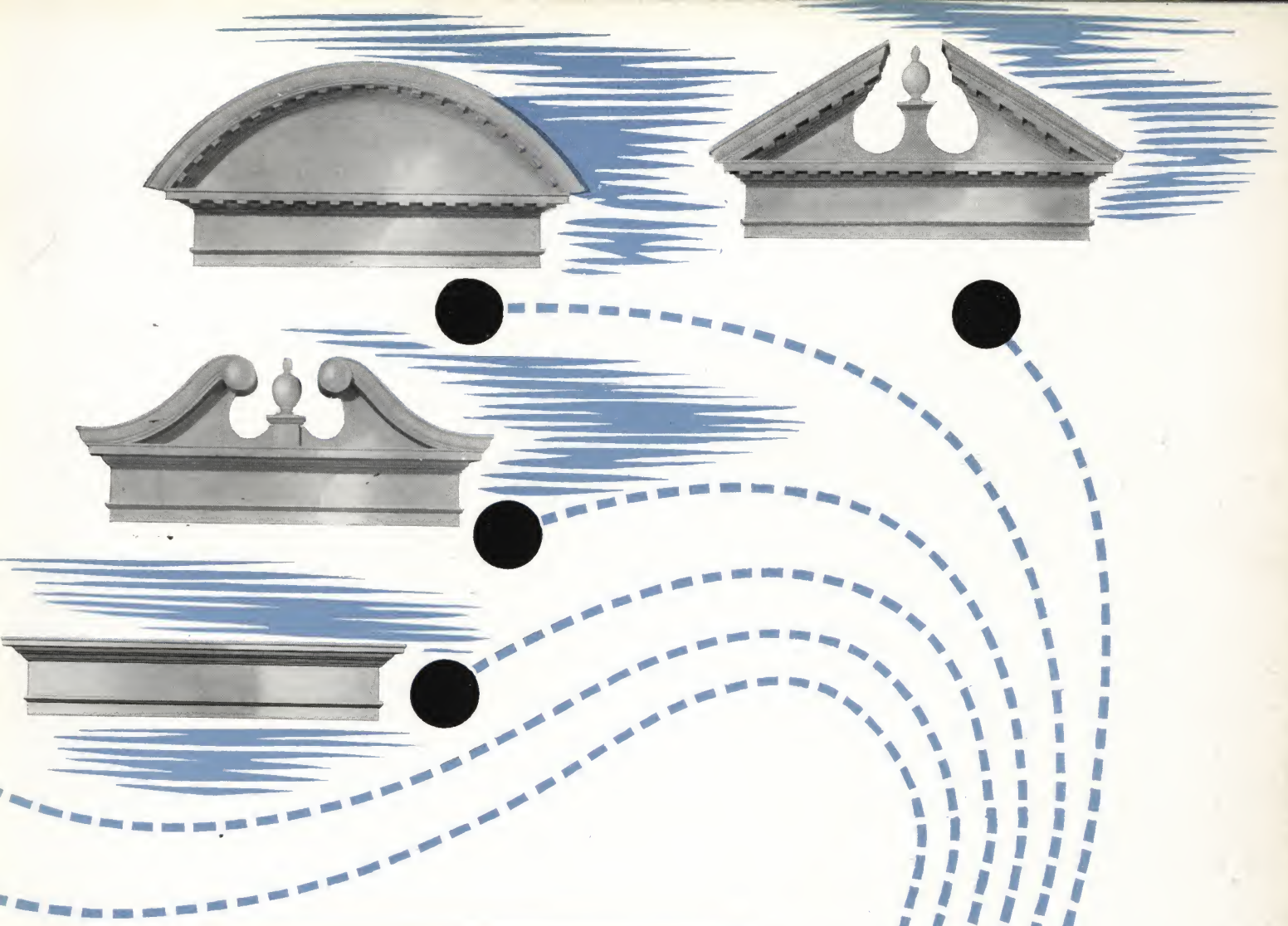




BILT-WELL FRONT ENTRANCE

BW-2564

This Doric heritage with fluted pilasters and triglyphs makes a beautiful doorway, long popular in New England. It has the many interesting features that one expects in a classic design. Over-all dimensions of BW-2564 are 5′-6⅞″ x 9′-07/16″. Shown with Door BW-2356.

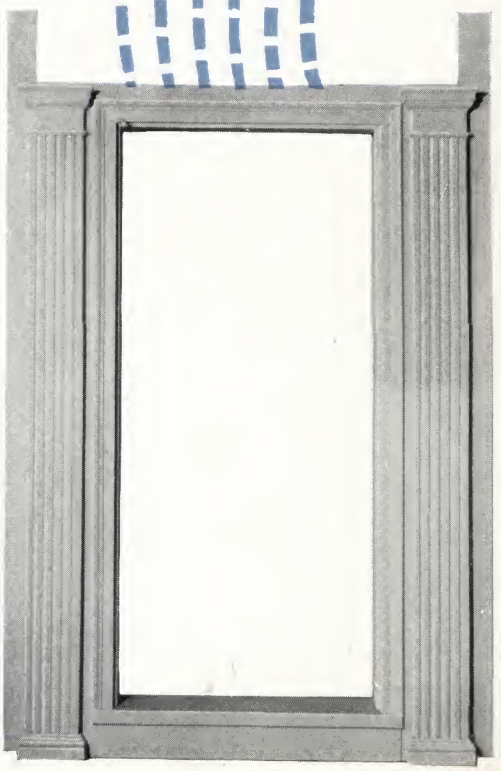


HEADS ARE INTERCHANGEABLE

All six of these heads fit one standardized base. This means a big reduction in stock, yet actually a wider assortment than usual.

ADJUSTABLE DOORWAYS

A simple method for adjusting the door opening from 3′-0″ x 7′-0″ to 2′-8″ x 6′-8″, with the single exception of the 2′-8″ x 7′-0″ size, all from one stock. The entrance is fitted to the door opening of the frame by simply cutting off the pilasters and side casings. For example, to change from 3′-0″ x 7′-0″ to 3′-0″ x 6′-8″, the cut-off of these members is 4″. The entrance is installed directly over the edge of the jambs of the frame, allowing ½″ reveal. Although the door opening can be a number of sizes, nevertheless the over-all dimensions of the head and Standardized Base remain the same on all six designs.







REVERSIBLE PILASTERS

As shown above, the pilasters of a Bilt-Well Entrance are manufactured with one side fluted and other side plain. They can be placed on the entrance showing either the plain or the fluted side, thus providing additional flexibility in varying the appearance of stock entrances—a Bilt-Well feature that eliminates the necessity of carrying double stock.

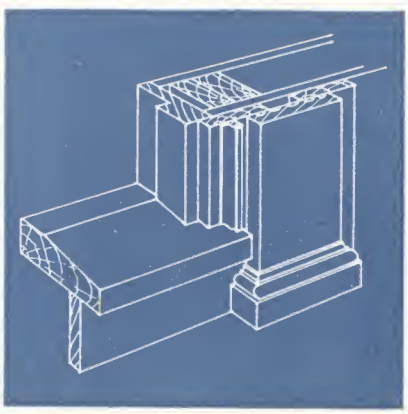
STANDARDIZED JAMBS

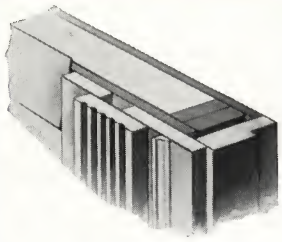
At the right we show how one standard jamb is adjustable for any type of construction:

1. In frame walls.
2. In stucco.
3. In brick-veneered.
4. In solid masonry.

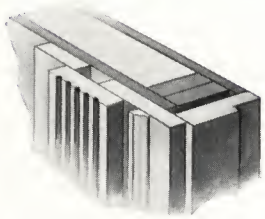
The addition of extension jambs is necessary for brick-veneered and solid masonry walls. Flexibility which means economy for you!





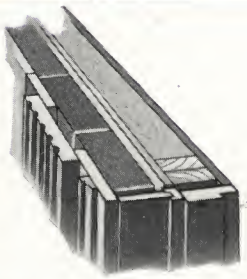


In frame walls

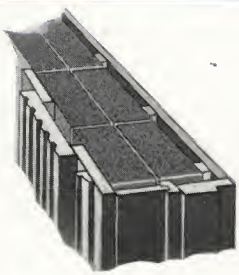


In stucco

FITS INTO ANY KIND OF BUILDING CONSTRUCTION



In brick-veneered



In solid masonry

ASSEMBLING A BILT-WELL ENTRANCE IS EASY

These actual photographs show the five simple steps in assembling a Bilt-Well Entrance on the job. Nothing cumbersome to handle, every piece fits or is easily adjusted for door openings. The ease with which a Bilt-Well Entrance can be set up saves time and cuts costs.

1. After the door jambs and sill are installed, place the head casing over the head jamb allowing a ½" reveal and center same.

2. Place the two side casings, which measure 7'-8 3/16" x 5 7/16" x1⅛", over the side jambs allowing a ½" reveal at the side and butt them against head casing. Cut a "bevel-notch" into the casing so that it will fit over the sill. The bottom ends should be 7" below a point level with the top of the sill, back at the door opening. NOTE: When the platform is to be less than 7" from a point level with the top of the sill, cut off the length of the pilaster, side casing and end piece as much as this measurement is less than 7".

3. Take the end pieces measuring 8'-10¾" x 4 3/16"x1⅛" and butt these against the ends of the head casing lining them up with the bottom of the side casings. Keep these parallel with the side casings.

4. Place the pilaster base even with the bottom edge of the side casings and 2½" from the outside edge of the end piece. Take the pilaster shaft and fasten to the casing and end piece, leaving a 3⅜" margin from the outside edge. Turn the fluted or plain side of the pilaster out by referring to the illustrations of entrance designs. Pilaster caps can now be installed.

5. The entrance head should be placed on pilaster caps and the ends should line up with the outside edge of the pilasters.

Apply the moulding on the surface of the casing, cutting it to length for 1½" margin from the inside edge of the side and head casings.

EXCEPTIONS

For 3'-0" x 6'-8" Door Opening

Follow the above instructions for a 3'-0" x 7'-0" door opening EXCEPT CUT OFF 4" in the length of all vertical pieces—side casings, end pieces, pilaster shafts and ornamental moulding.

For 2'-8" x 6'-8" Door Opening

Carry out the instructions for a 3'-0" x 7'-0" door opening with the following exceptions:

Place a (2" x 1⅛") filler strip around the door opening on the jambs, allowing a ½" reveal. In reducing door width in frame, leave sill lug on outside at least 3¼" past face of jamb to receive mould.

Cut off 2" in the length of all vertical pieces—side casings, end pieces, pilaster shafts and ornamental moulding. Apply moulding over joint between casings and filler strips.

NOTICE! Wood sill is omitted on all entrances used in building of brick-veneered or solid masonry.



1.

Showing the carpenter getting the head casing located so that there is the same extension at each end.



2.

Showing the side casing being nailed to the edge of the jamb.



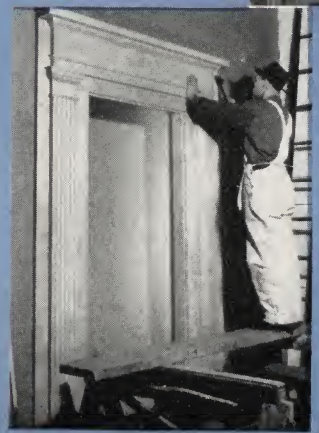
3.

Showing the end pieces being butted against the head casing and even on the bottom with the side casings.



4.

Showing the pilasters being fastened to the side casings and end strips by locating the base and shaft and then the pilaster cap.



5.

Showing the head being placed with the edge resting on the pilaster caps, and the end lining up with the outside edge of the pilasters.



INSTRUCTION SHEET

An illustrated assembly instruction sheet is placed in each carton of standardized base parts at the factory. These instructions clearly explain to the carpenter, step by step, the process of installation.

SPECIFICATIONS

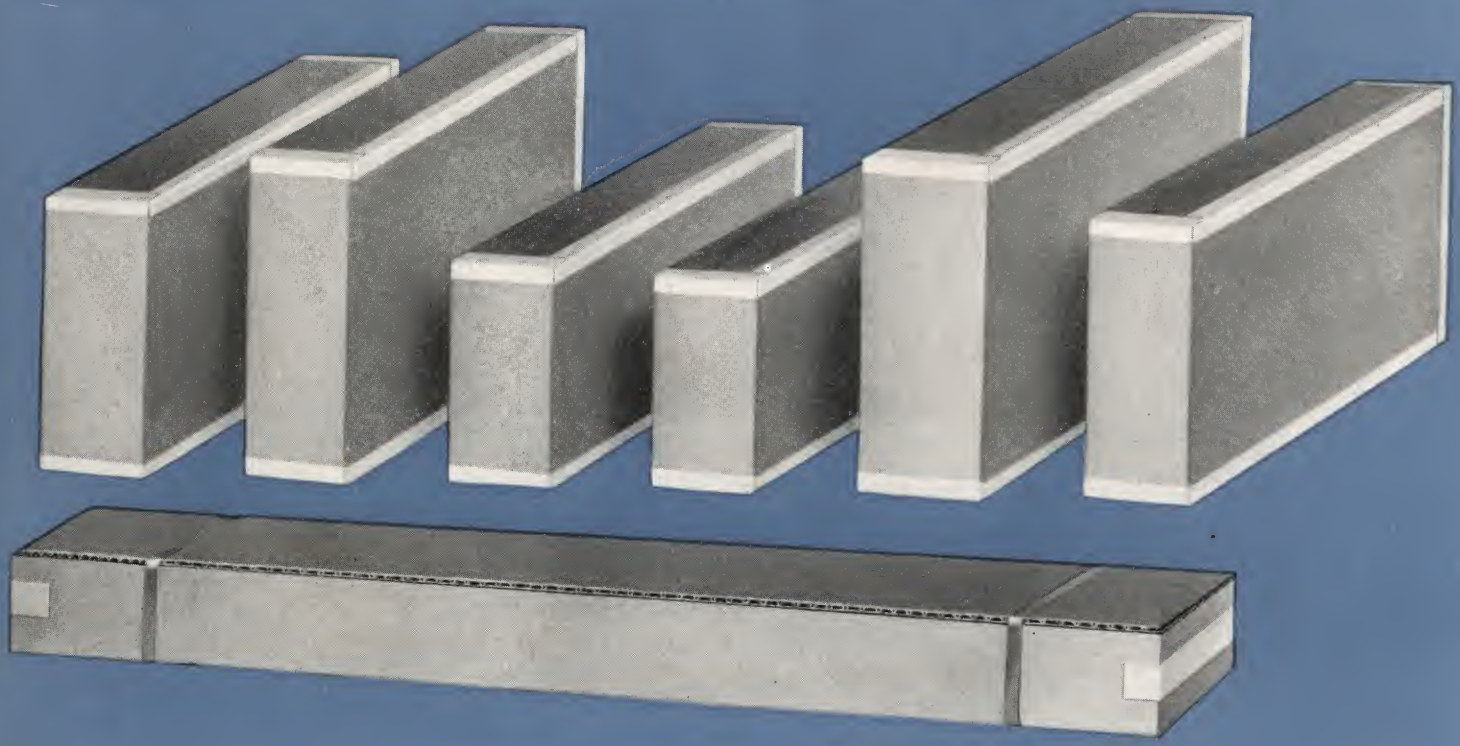
Clear Ponderosa Pine, kiln dried. Chemically treated with a water-repellent wood preservative.

Heads Put Together Complete.

Casing and Pilasters K.D. Fitted for 3′-0″ x 7′-0″ Door Size.

Pilaster Caps and Pilaster Bases Assembled.

Note: Does not include jambs and sill unless specifically called for when ordering.



HEADS AND BASES PACKED IN DUST-PROOF CARTONS

BILT-WELL WOOD WORK
REG. U. S. PAT. OFF

This method of individually packing Heads and Standardized Base is a decided advantage over packing each Entrance complete in one package. It enables the ordering of any particular one of the six heads without necessarily ordering the same number of Standardized Bases. As a consequence, it reduces inventories, insures a faster turnover, and saves warehouse space. Jambs and sill of frame when specified with the Entrance are in a separate bundle.



An improved double-hung wood window whose many features excel. Its exclusive weatherstripping is unsurpassed. As its name implies it is truly a Superior Window.

BILT WELL WOOD WORK
REG U S PAT OFF

Bilt-Well

SUPERIOR

Unit Wood

WINDOWS

A.I.A. File Number 19-E-11





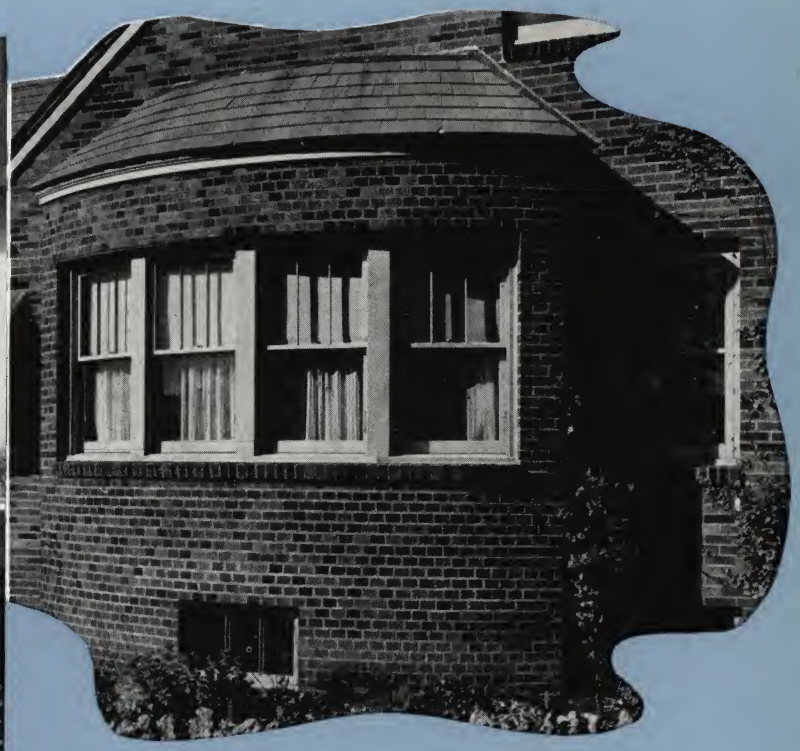
The "Superior" Window has many exclusive features beyond the usual features of today's scientifically designed windows. With these additional, practical, exclusive features the "Superior" Window is an advanced improvement in window construction designed to cut building costs. The "Superior" Window with its engineered construction and mass production methods provides "Superior" quality at low cost.





Copyright 1946





"Superior" Windows will not stick, leak or rattle —weather cannot affect their efficiency. The weatherstrip is especially designed for the Superior Window and this allows for possible shrinking or swelling of the sash. The appearance and fine craftsmanship are predominant features in the Superior Window. Tasteful design, the result of years of research and experience, marks every Superior Window. Plan now to include Superior Windows in your home-building plans.





LOOK . . HEAD AND SIDE JAMBS OF 1⅛" MATERIAL

1

The blind stop and wind break (that part which extends beyond the frame) overlaps the header, thus forming a weather-tight seal between frame and building. This also provides ample nailing surface to securely anchor the frame to the building. The tongue on the edge of the top sash, which is in addition to the weatherstrip, gives extra protection against cold drafts.

2

Superior Windows are perfectly counter-balanced at all points with overhead spring balances, that are guaranteed for the life of the building. The uniform tension of the spring balances eliminates rattling and vibration when either sash is raised or lowered. The tape hooks on the sash with a simple ring and hook attachment.

3

Sash can be installed or removed easily and quickly without loosening or removing any of the weatherstrip. The illustration on the opposite page shows how sash is removed by pressing the spring weatherstrip. The Superior is the only counter-balanced and completely weatherstripped unit, the sash of which can be removed without loosening the weatherstrip.

4

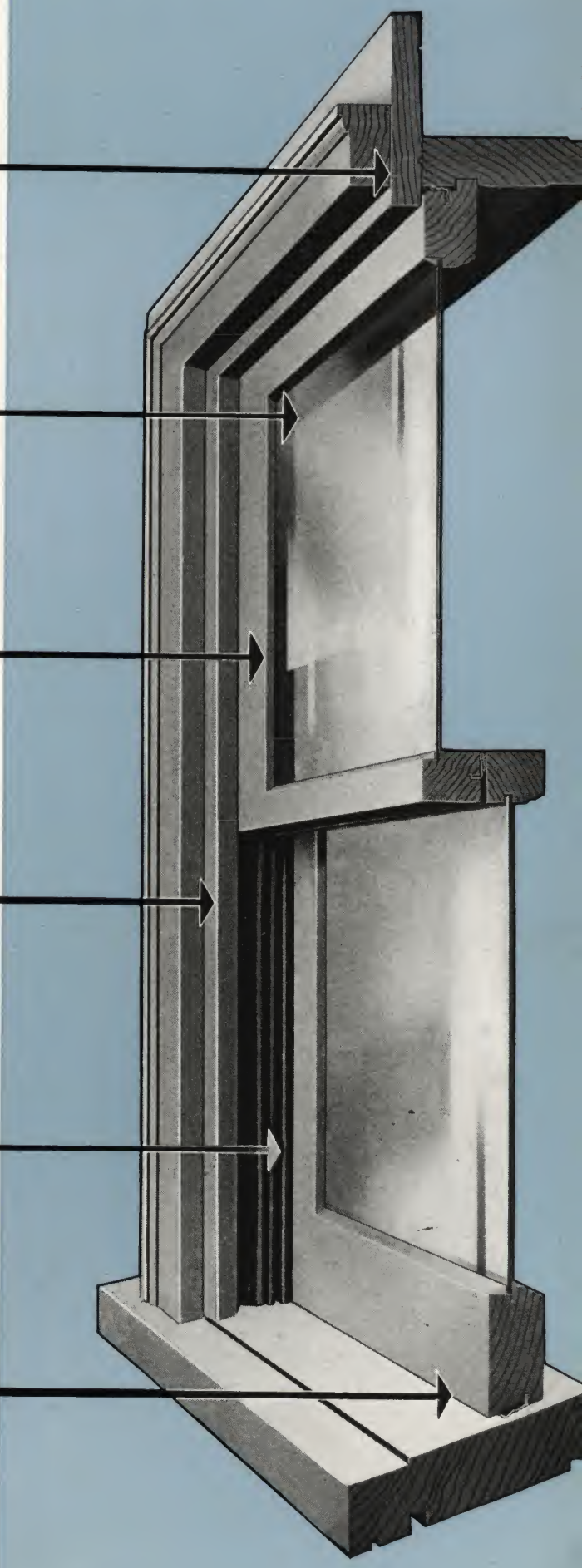
All parts are chemically treated with Permatol A, a special toxic treatment to retard moisture absorption and to protect against wood-destroying fungi. The wood is thoroughly kiln dried to start with, consequently this toxic treatment done at the factory protects the wood before it is subjected to atmospheric conditions.

5

A patented weatherstrip is the outstanding feature of the Superior Window. It is a cushion-type, jamb liner weatherstrip, nailless and flexible. It is applied at the factory, because the sash can be installed or removed at any time without removing the weatherstrip. It automatically compensates for all possible swelling or shrinking of the sash in width or thickness.

6

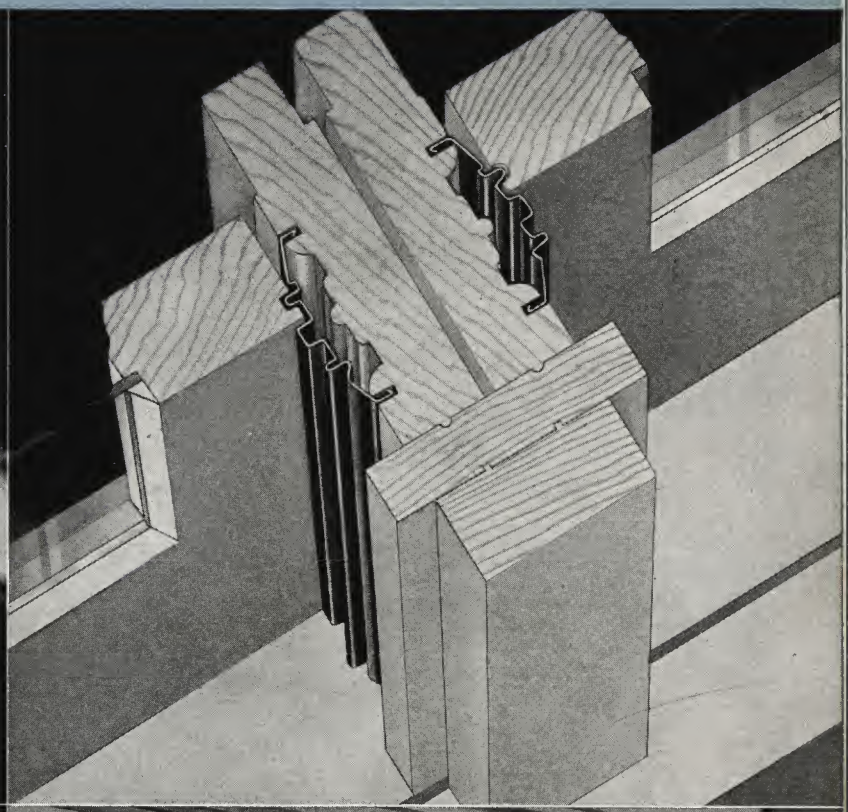
Across the bottom edge of the sash and the check rail a spring weatherstrip is installed the full width of the opening. This forms a weather-tight seal between the sill and the sash. The pitch of the sill is steep to insure rapid drainage and the thickness (1¾") insures long durability.

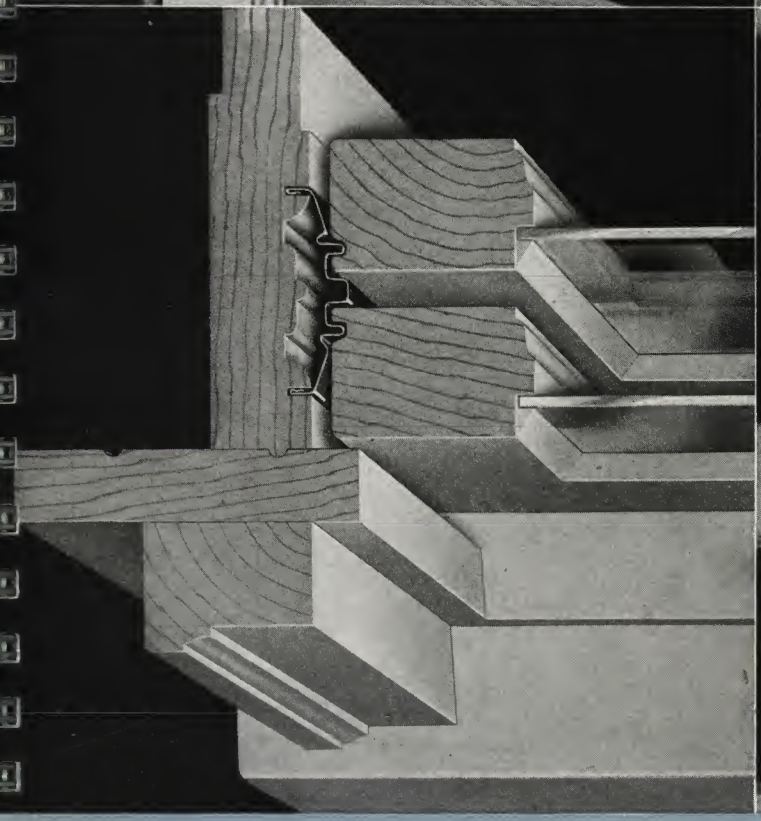


Sash may be removed easily and quickly without loosening or removing the weatherstrip.

Light, snug contact between sash and weatherstrip at all times, no stick, no dust, no draft.





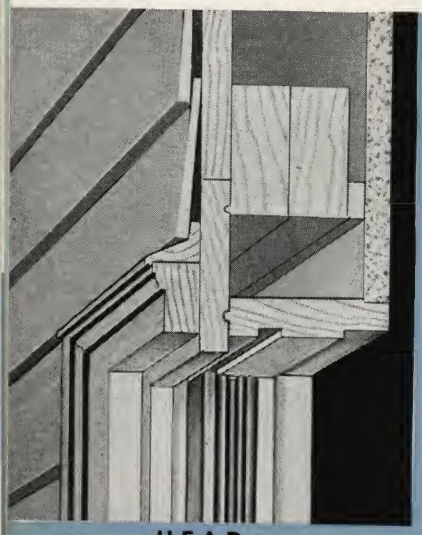




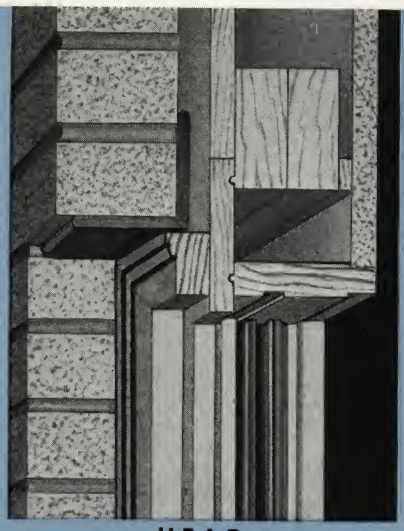
Easy sliding the year around. Swelling or shrinking will not affect the smooth weather-tight operation.

Perfect counter-balancing at all points. Windows stay in any position. Balances guaranteed for the life of the building.

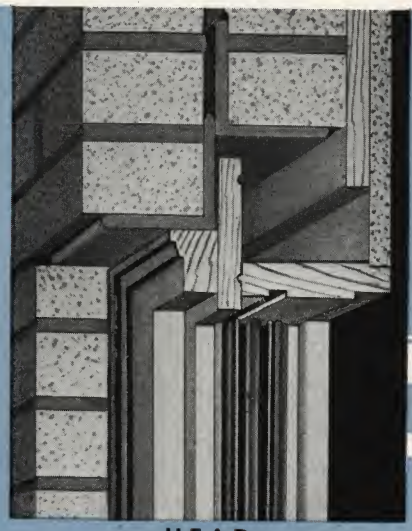
Superior Windows are adaptable to any type of wall...solid masonry, brick-veneer, or wood frame. The illustration below shows its wide adaptability.



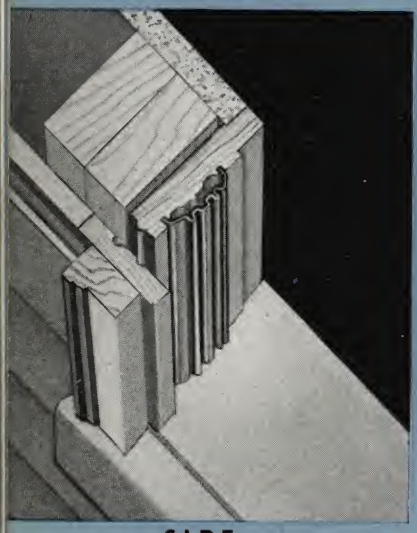
HEAD
WOOD FRAMING



HEAD
BRICK VENEER



HEAD
SOLID MASONRY



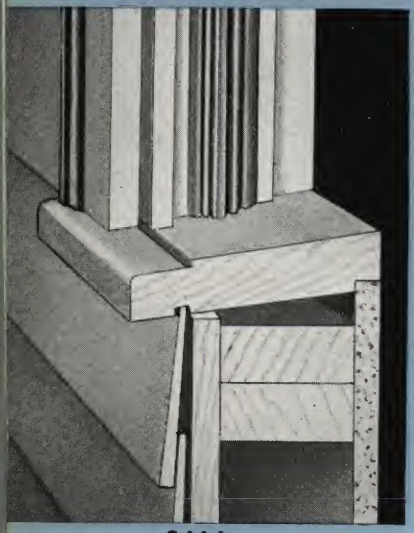
SIDE
WOOD FRAMING



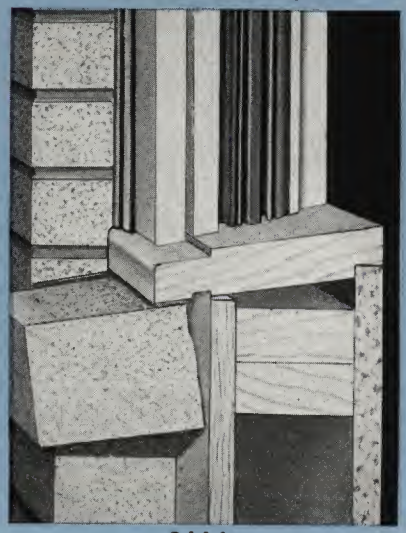
SIDE
BRICK VENEER



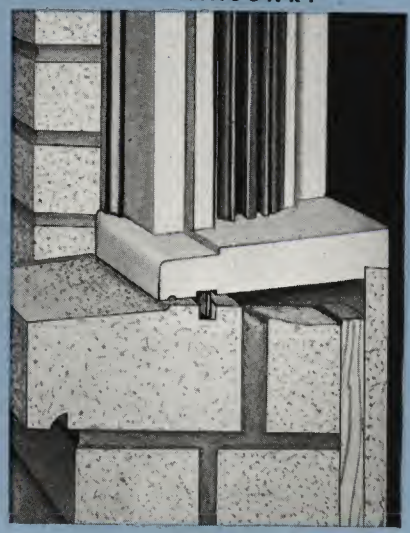
SIDE
SOLID MASONRY



SILL
WOOD FRAMING



SILL
BRICK VENEER



SILL
SOLID MASONRY

BILT WELL
WOOD WORK
REG U S PAT OFF

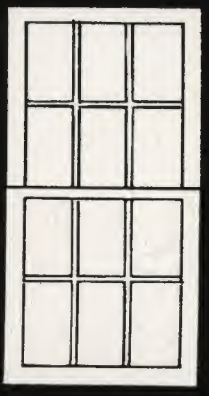
Superior Windows are available in these designs. The standard sizes listed below are based on divisions in the glass of a 2 light window western opening. These sizes fit the national program of modular standardization.



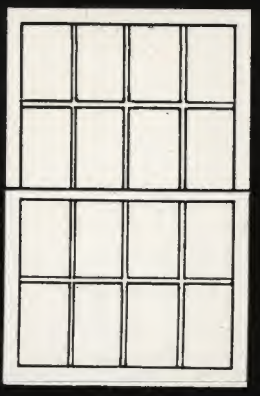
BW-2772
AVAILABLE IN ALL WIDTHS



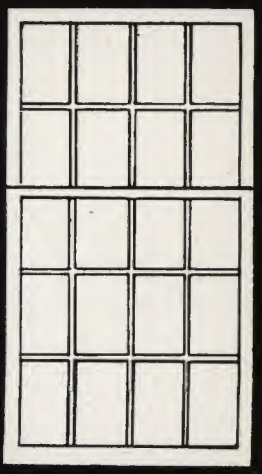
BW-2776
16" WIDTH



BW-2740
20" 24" 28" WIDTHS



BW-2750
32" 36" 40" WIDTHS



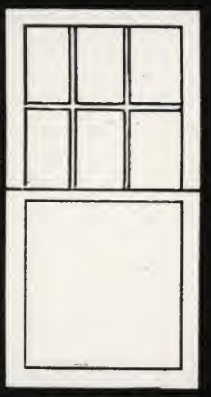
BW-2753
5'-6" HIGH ONLY



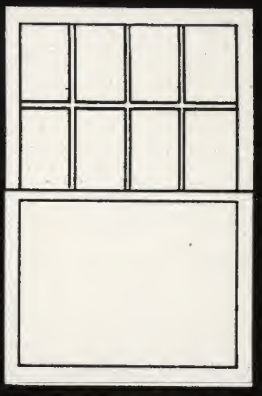
BW-2741
AVAILABLE IN ALL WIDTHS



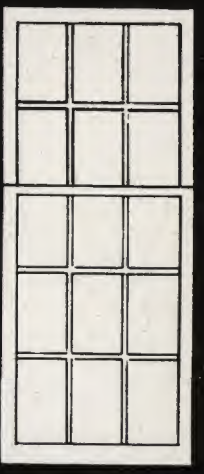
BW-2767
16" WIDTH



BW-2760
20" 24" 28" WIDTHS



BW-2764
32" 36" 40" WIDTHS



BW-2743
5'-6" HIGH ONLY

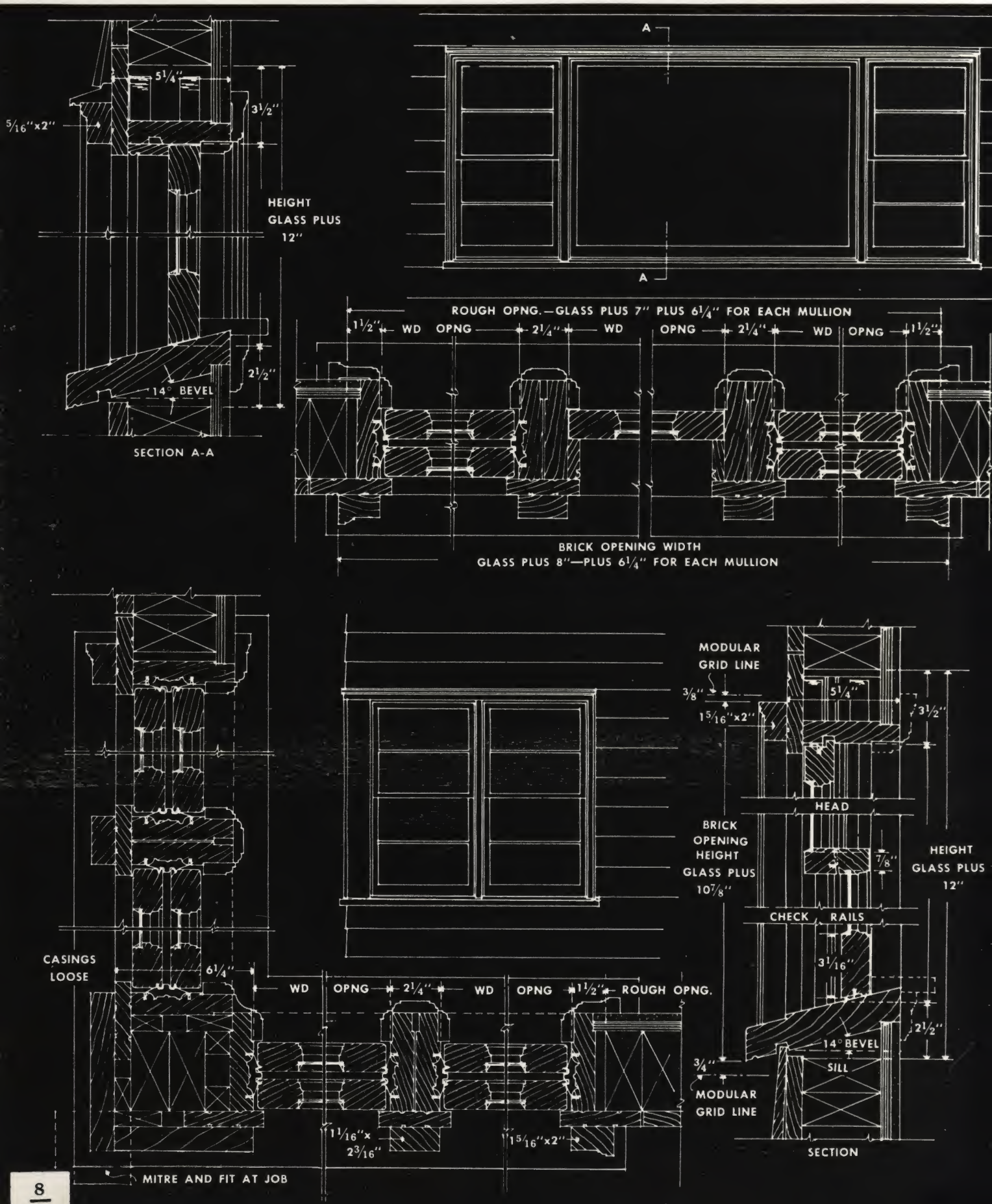
STANDARD SIZES

GLASS SIZE	STUD OPENING
16" x 16"	1'-11" x 3'-8"
16" x 20"	1'-11" x 4'-4"
16" x 24"	1'-11" x 5'-0"
20" x 14"	2'- 3" x 3'-4"
20" x 16"	2'- 3" x 3'-8"
20" x 18"	2'- 3" x 4'-0"
20" x 20"	2'- 3" x 4'-4"
20" x 22"	2'- 3" x 4'-8"
20" x 24"	2'- 3" x 5'-0"
20" x 26"	2'- 3" x 5'-4"
20" x 28"	2'- 3" x 5'-8"
24" x 14"	2'- 7" x 3'-4"
24" x 16"	2'- 7" x 3'-8"
24" x 18"	2'- 7" x 4'-0"

GLASS SIZE	STUD OPENING
24" x 20"	2'- 7" x 4'-4"
24" x 22"	2'- 7" x 4'-8"
24" x 24"	2'- 7" x 5'-0"
24" x 26"	2'- 7" x 5'-4"
24" x 28"	2'- 7" x 5'-8"
24" x 30"	2'- 7" x 6'-0"
28" x 20"	2'-11" x 4'-4"
28" x 24"	2'-11" x 5'-0"
28" x 26"	2'-11" x 5'-4"
28" x 28"	2'-11" x 5'-8"
32" x 16"	3'- 3" x 3'-8"
32" x 20"	3'- 3" x 4'-4"
32" x 24"	3'- 3" x 5'-0"

GLASS SIZE	STUD OPENING
32" x 26"	3'- 3" x 5'-4"
32" x 28"	3'- 3" x 5'-8"
36" x 16"	3'- 7" x 3'-8"
36" x 20"	3'- 7" x 4'-4"
36" x 24"	3'- 7" x 5'-0"
36" x 26"	3'- 7" x 5'-4"
36" x 28"	3'- 7" x 5'-8"
36" x 30"	3'- 7" x 6'-0"
40" x 24"	3'-11" x 5'-0"
40" x 26"	3'-11" x 5'-4"
40" x 28"	3'-11" x 5'-8"
40" x 30"	3'-11" x 6'-0"
40" x 32"	3'-11" x 6'-4"
40" x 36"	3'-11" x 7'-0"

Practical application of Bilt-Well Superior Windows. These installations are typi



of the many possible installations for which Superior Windows are adaptable.

ROUGH OPENINGS

WIDTH

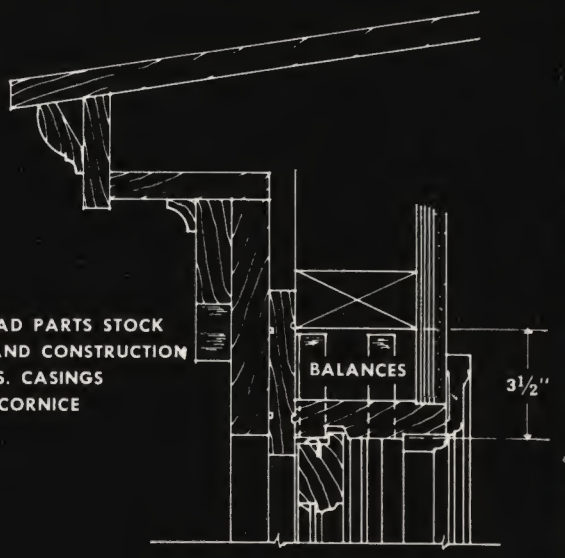
GLASS SIZE 2-LIGHT	STUD OPENING
16″	1′–11″
20″	2′– 3″
24″	2′– 7″
28″	2′–11″
32″	3′– 3″
36″	3′– 7″
40″	3′–11″

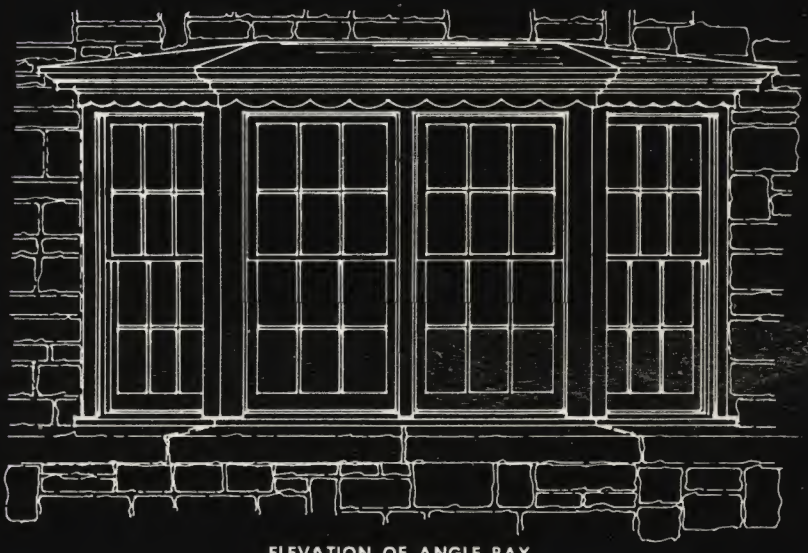
HEIGHT

GLASS SIZE 2 LIGHT	STUD OPENING
14″	3′–4″
16″	3′–8″
18″	4′–0″
20″	4′–4″
24″	5′–0″
26″	5′–4″
28″	5′–8″
30″	6′–0″

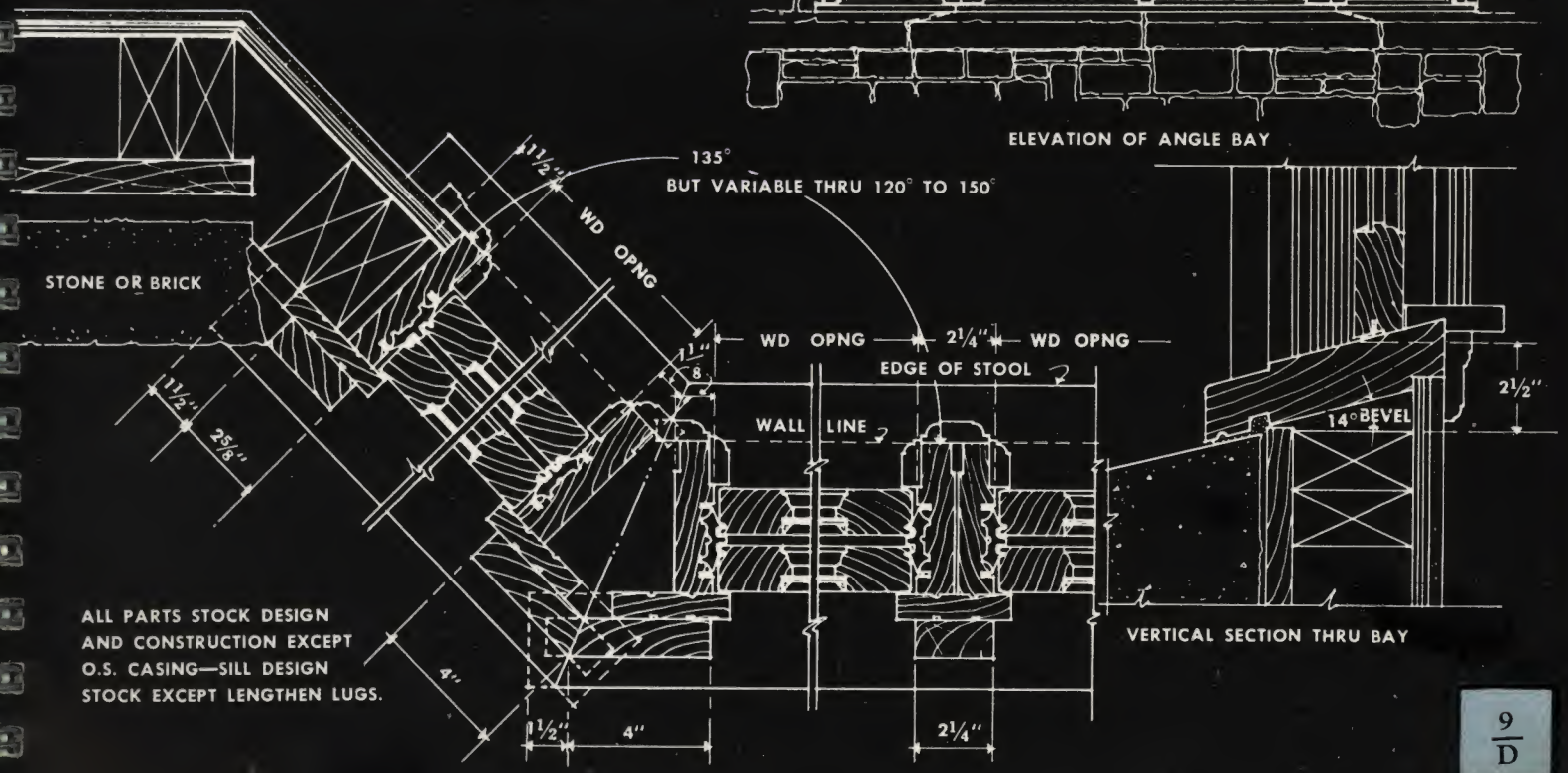
Add the following figures to glass size (2 Lt. Basis) to arrive at the stud opening.

	SINGLE WINDOWS	TWINS	TRIPLES	QUAD-RUPLES
Width over glass	7″	13¼″	19½″	25¾″
Height over glass	12″	12″	12″	12″
Width of mull	...	2¼″	2¼″	2¼″
Width of mull between glass	...	6¼″	6¼″	6¼″

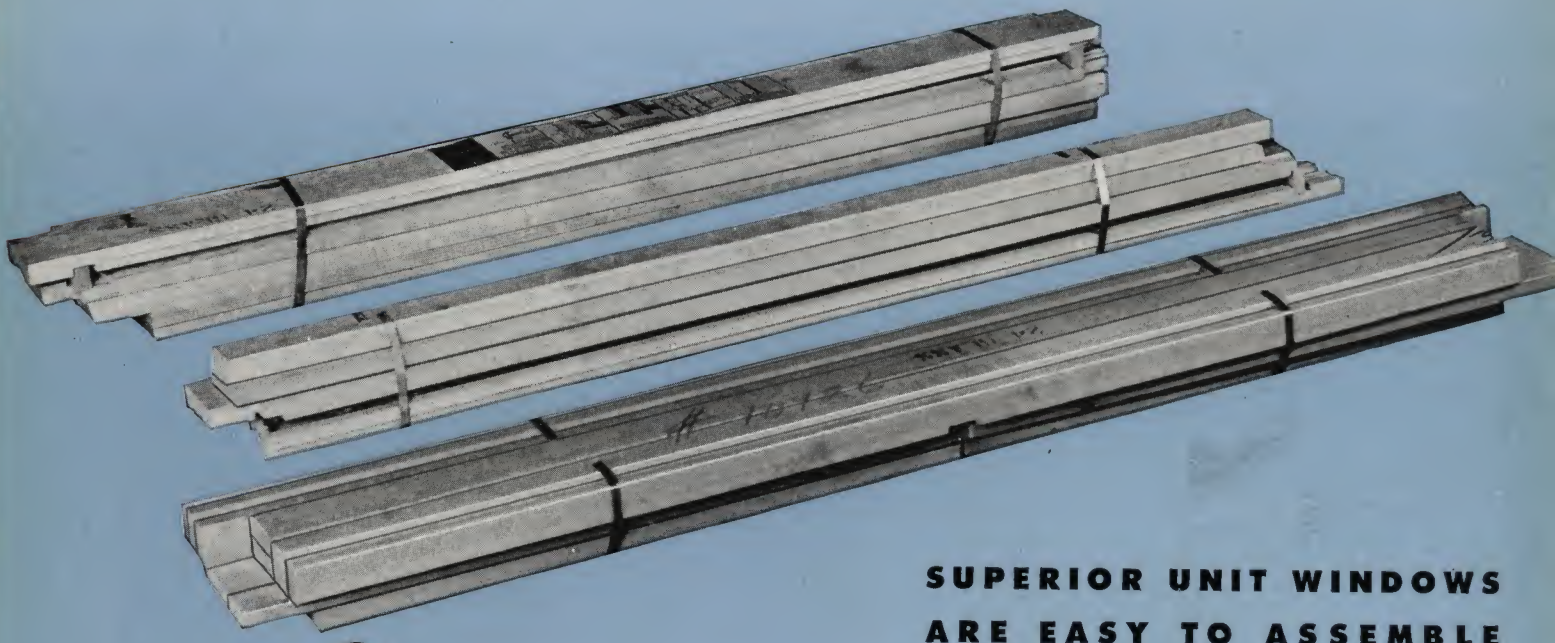




ELEVATION OF ANGLE BAY



VERTICAL SECTION THRU BAY



SUPERIOR UNIT WINDOWS ARE EASY TO ASSEMBLE

The frames of Superior Units are packed in three bundles at the factory—the vertical parts, the horizontal parts, and the mullion parts are bundled separately.

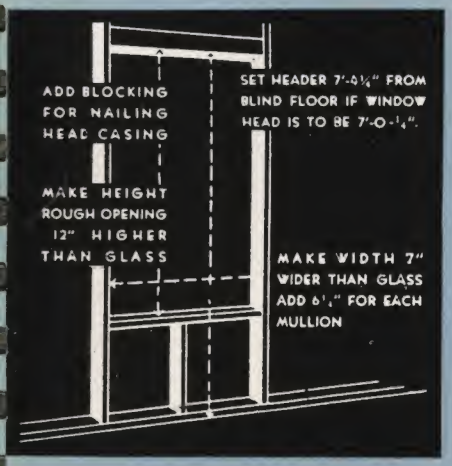
Here are the various parts of the Superior Window being assembled from the above bundles. This is so simple, and the parts are so accurately machined to fit perfectly that a hammer is the only tool required to assemble a Superior Frame. The weatherstrip is always applied at the factory, and only a few minutes were required from the time the strap band on the frame bundle was cut until the frame was completely assembled. The ease in which Superior Units are completely assembled is the paramount feature.

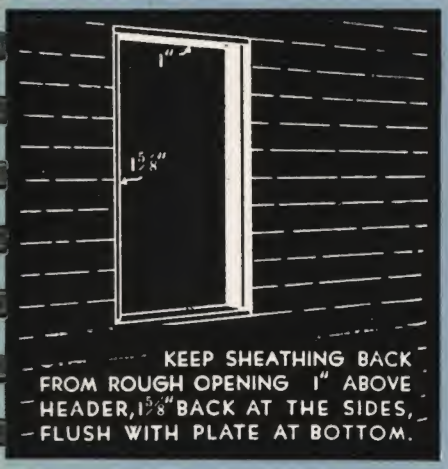
BILT-WELL WOOD WORK

The side jambs are grooved to receive the horizontal parts, thus the positions of these parts are automatically located. This tongue and groove construction provides a sturdy weather-tight frame.

A tongue on the edge of the pulley stile automatically locates the position of the blind stop and wind break. The pulley stiles are machined from 1⅛" lumber, therefore, there is plenty of nailing surface.

WHAT TO WATCH FOR









Superior Frames are also easy to install. It is just a lapse of several minutes and the installation is finished. Several window openings can be completed in one hour, because there is no cutting or trimming necessary on the frame if the rough opening is the proper size, plumb, and square.

Superior Frames have a wide overlapping "blind stop" and "wind break" so nailing and anchoring is greatly simplified. With this wide overlapping wind break a weather-tight, wind-proof installation can actually be accomplished—building paper can be installed in the most effective way when the frames are "Superior."

Superior Sash can be inserted in less than a minute—an excellent feature for all times, because not all new houses are equipped with storm sash, and closing in the partly constructed building is easy with Superior Unit Windows. If it is desired, the sash can be removed while plaster is being applied, and they can be repeatedly removed and installed without damage to the weatherstrip.

Superior Sash can be removed any time. If window stops are ⅜" thick, Superior Sash can be removed to wash the outside of glass without disturbing stops. See page 5. The casings and window stops are classified as Interior Trim and are not furnished with Superior Unit Windows:

EASY TO INSTALL



PLACING



NAILING



INSERTING TOP SASH



ADDING BOTTOM SASH

SCHEDULE OF SASH BALANCE SIZES

The following Schedule of Sash Balance Sizes and Numbers should be carefully followed in equipping Bilt-Well Superior Frames. On sizes up to and including 28″ x 30″ 2 Light Windows USE TWO BALANCES TO A WINDOW—balances on one side only.

TWO BALANCES TO A WINDOW

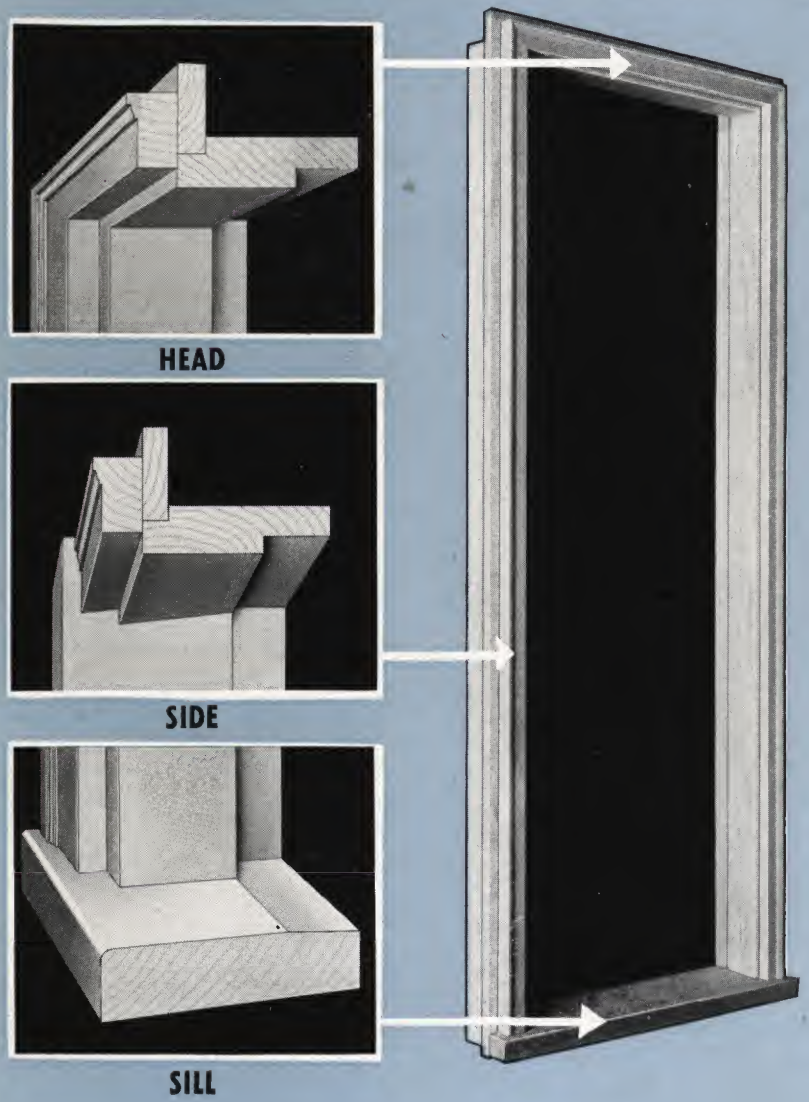
Width	HEIGHT IN INCHES 14″	16″	18″	20″	22″	24″	26″	28″	30″
16″	104	104	106	106	106	106	109	109	109
20″	106	106	106	106	109	109	109	109	109
24″	106	106	109	109	109	109	109	112	112
28″	109	109	109	109	109	112	112	112	112

Sizes 32″ x 14″ and up require FOUR BALANCES TO A WINDOW—Balances on both sides of frame.

FOUR BALANCES TO A WINDOW

Width	HEIGHT IN INCHES 14″	16″	18″	20″	22″	24″	26″	28″	30″
32″	104	104	106	106	106	106	109	109	109
36″	106	106	106	106	109	109	109	109	109
40″	106	106	109	109	109	109	109	109	112

THE SUPERIOR DOOR FRAME



HEAD

SIDE

SILL

Superior Door Frames are designed to match Superior Unit Windows. This will result in a harmonious exterior for the house or building as far as the windows and door frames are concerned. It is essential because windows and doors play an important role in the appearance of buildings.

Superior Door Frames are accurately machined so that all parts fit perfectly and the additional value derived from Superior Frames is worthy of consideration. The jambs are dadoed into which the head and sill fit tightly. The wind break overlaps the studding and forms a weather-tight connection between the frame and the exterior wall. Jambs are $1\frac{5}{16}$″x$5\frac{1}{4}$″ rabbeted for door. One standard frame fits all three popular types of wall construction. Manufactured of clear Ponderosa Pine chemically treated and packed in strap banded bundles for shipment.

BILT-WELL WOOD WORK



BILT-WELL CLOS-TITE CASEMENTS

Advanced construction combined with expert workmanship and carefully selected materials.

BILT WELL WOOD WORK

A.I.A. File Number 19-E-11





Although this is an unusual arrangement, it was accomplished with a regular single straight sash placed to conform with the circle of the room. Bilt-Well Clos-tite Casements are sturdily constructed by master craftsmen. The corners are mortised and tenoned joints. The surface is smoothly sanded and the moulded edges are neatly cut. Divisions in the glass are made with wood muntins and sash are glazed with a fine quality, labeled glass.

COPYRIGHT 1946

This beautiful arrangement of Bilt-Well Clos-tite Casements separated by a large picture window is a typical keynote to this charming and luxurious setting. Bilt-Well Clos-tite Casements are made of thoroughly seasoned Ponderosa Pine, chemically treated for wood preservation. They are designed on the principle of a refrigerator door—the frame parts and the edges of the sash are tapered and form a snug fit on an angle to insure a weathertight seal.



Neat, Nailless, Effective Type Aluminum Cushion Weatherstrip on Frame — Double Protection

Extension Hinges Swing Sash 2¾" from Frame, Allowing Cleaning from Inside and Extra Ventilation

Protective Top Cover and Weatherstrip

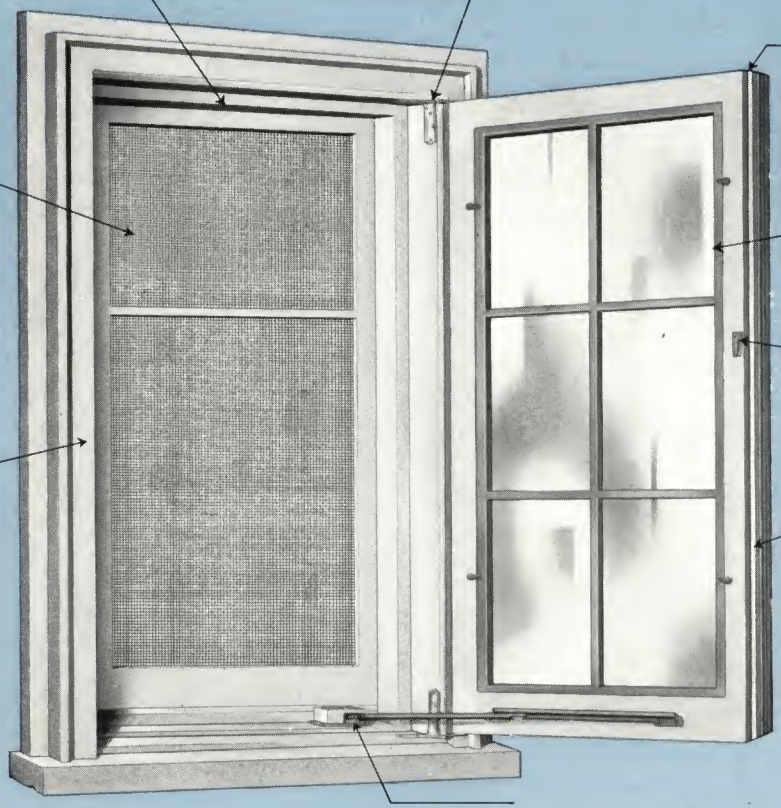
Light Weight Inside Screen Easily Removed and Stored

Attractive Zinc Frame Inside Double Glazing, Easily Removed Cuts Heat Loss, Prevents Condensation

Durable Sash Lock

Full 3/16" Clearance Between Sash and Frame All Around Eliminates All Possibility of Sticking

Spring Weatherstrip on Sash in Addition to Cushion Strip on Frame, Double Protecti



In the Stool Worm Gear Driven Operator Does Not Interfere with Screen, Draperies or Venetian Blinds

Ample light and ventilation is important in a music room; and realizing that, this owner selected Bilt-Well Casements. The expanse of the country side as viewed from these windows offers an inspiration and a greater appreciation of nature's beauty.



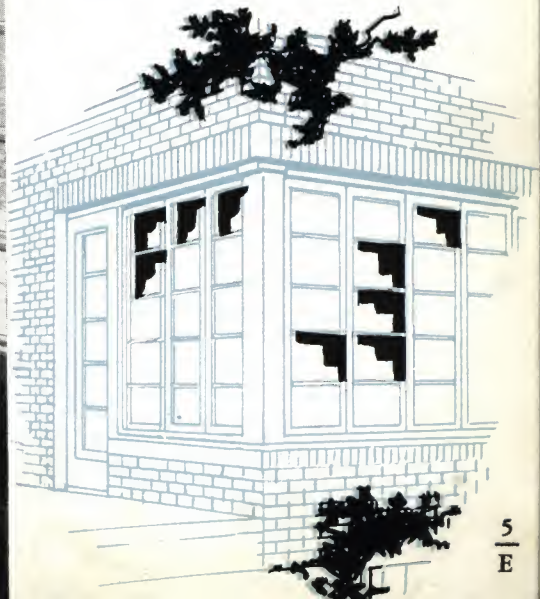




This comfortable solarium is the coolest spot in summer and the brightest and most cheerful in winter. All the casements in this solarium are hinged to open.



Bilt-Well Casements may be carried right to the corners of the room in order to admit as much natural light as possible. Bilt-Well Casements are especially desirable for porches and sun rooms.



HERE IS WHY BILT-WELL CLOS-TITE CASEMENTS ARE OUTSTANDIN

BILT WELL WOOD WORK





METAL COVER ON TOP OF SASH

Ventilators are equipped with a spring bronze metal cap. This metal cover protects the sash while open from rain.

EASY TO CLEAN

When the ventilator is open, sufficient space permits cleaning the outside of the glass from indoors. This also admits cool breezes when ventilators are opened.



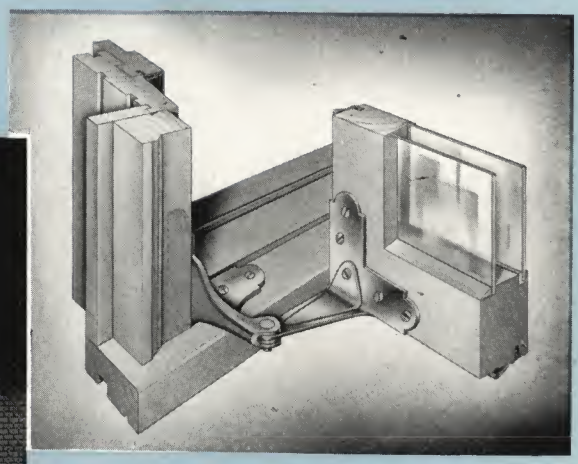
GEAR TYPE OPERATOR

Concealed by the screen. Regulates ventilator in any open position up to 90° angle. Serves as a lock when the sash is closed. The crank is removable.



INSULATING GLASS

The insulating glass is readily removed or replaced by releasing the glass from the sash with an easy-to-release fastener.



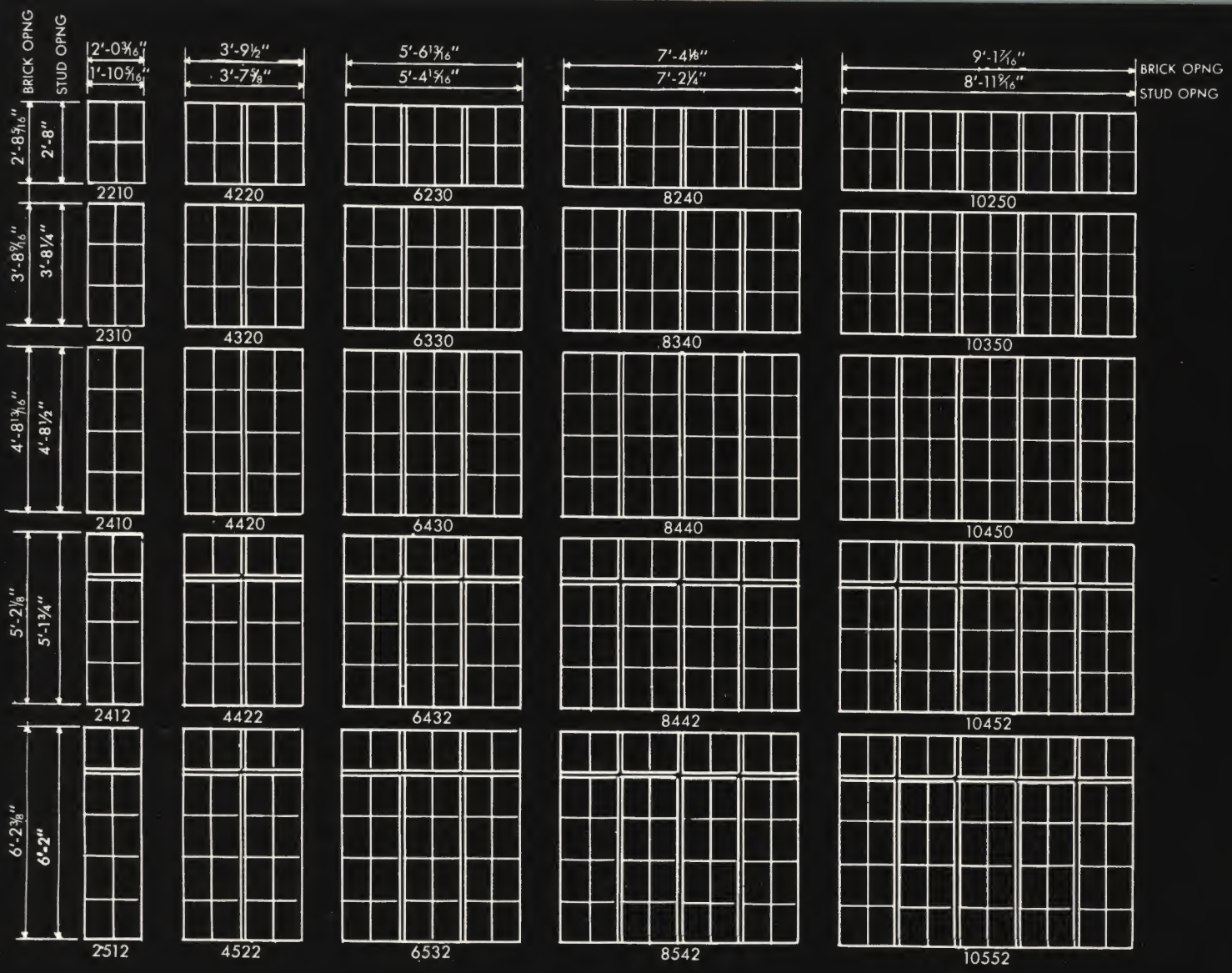
BILT-WELL PATENTED HINGES

Extension-type hinge of steel and double cadmium plated. Made with bronze bushings and brass washers to insure long wear.



LOCKING HANDLE

The locking handle is an excellent protection. It also draws the sash into positive contact with the weatherstrip.

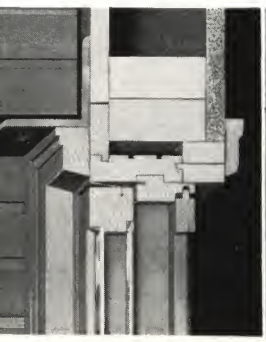


SUMMARY OF BILT-WELL CLOS-TITE CASEMENT SIZES

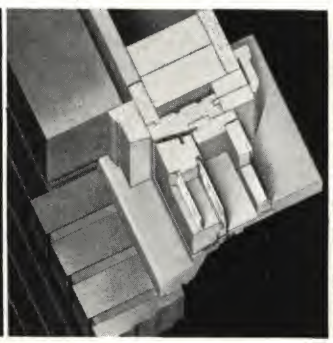
These are the standard sizes and glass arrangements of Bilt-Well Clos-tite Casements. These have been selected for all practical purposes and meet the requirements of standard Building practice. The measurements are the stud and brick opening.

Sash are hinged to swing out. One or more sash in multiple openings may be stationary. Also, in multiple openings sash can be hinged to swing right or left, in which case be sure to specify how sash shall swing (from outside) when ordering.

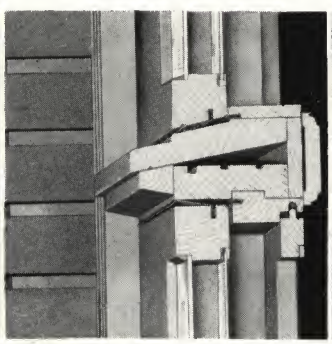
When framing opening for Casements to line up with top of door, place rough header 1,9/16" plus the finished door height.



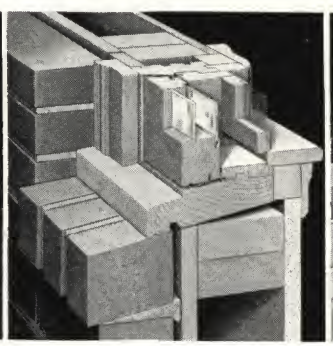
ECTION THRU HEAD



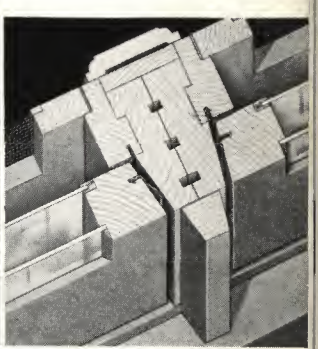
SECTION THRU SIDE JAMB



SECTION THRU TRANSOM



SECTION THRU SILL



SECTION THRU MULLION

K.D. semi-assembled (at the factory). All K.D. parts are completely machined to fit accurately when assembled. All weatherstrips are applied at the factory. Sash are put together. Screens with coppered bronze 16 mesh wire cloth are included, except for stationary sash. All casement hardware is furnished.



Bilt-Well Clos-tite Casements in K.D. bundles are compact. A comparatively small stock fills a wide range of sizes; as width and heights are inter-changeable.







These illustrations portray the simplicity of design and construction of Bilt-Well Clos-tite Casements for assembling frames, installing sash and applying hardware.

Every part fits perfectly. In a few min
the assembly of frame is finished and
hardware and screen is equally simp
install.



BILT WELL
WOOD WORK
REG. U. S. PAT. OFF.

BILT-WELL LOUVRES and GABLE SASH

An array of designs from which to make a satisfactory selection.

A.I.A. File Number 19-E2

BILT-WEL

BILT-WELL WOOD WORK
REG U S PAT. OFF.

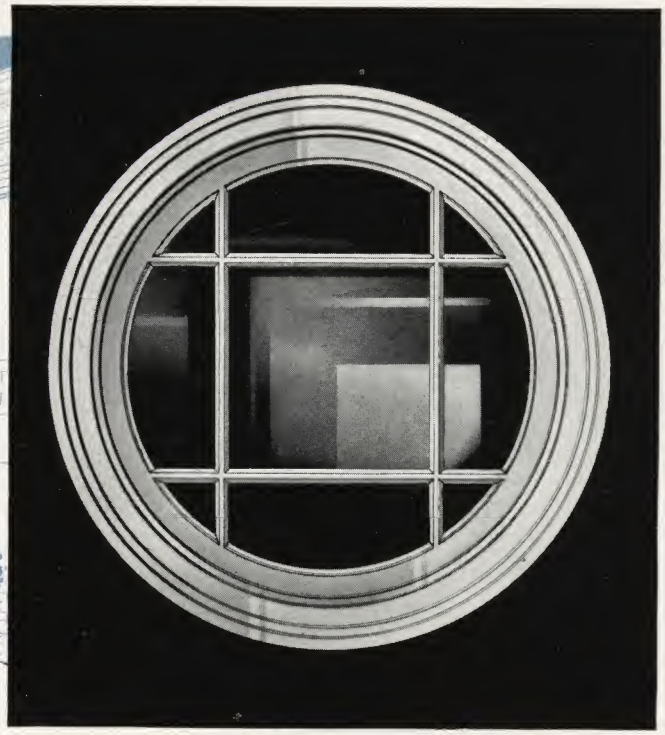




BW-2802

A complete unit which includes both frame and sash, all assembled and ready to install. Standard size 2′-2″ x 2′-2″ overall. Square inside and octagon outside. Stud opening 2′-1½″ x 2′-1½″. Carton packed. No hardware.





BW-2832

A unit consisting of a frame and a sash. Completely assembled. Ready to install. Standard size 2′-2″ diameter. Square inside and circle outside. Stud opening 2′-1½″ x 2′-1½″. Carton Packed. No hardware.

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LOUVRES AND GABLE SASH

will add beauty to the appearance of any home by offsetting the severity of the usual square lines of the exterior. This added touch of beauty, achieved when a Bilt-Well circle or an octagon sash is incorporated into the design, gives not only a pleasing effect but also many practical benefits.

For example, natural light can be provided in lavatories, halls, closets, and attics with a Bilt-Well circle or an octagon sash; whereas, it is frequently found that a regular double hung window is too large for the amount of outside wall surface. The elimination of these dark areas lessens the possibility of moths, etc., and certainly offers the advantage of providing desirable daylight.

MANUFACTURED OF WELL SEASONED PONDEROSA PINE • STURDILY CONSTRUCTED • FINE WORKMANSHIP

BW-2809

Standard overall size 1'-0" x 2'-9 7/16"
Stud opening 0'-10½" x 2'-9½". Carton Packed.



BW-2807

Standard overall size 1'-4" x 1'-9 7/16"
Stud opening 1'-2½" x 1'-9½". Carton Packed.



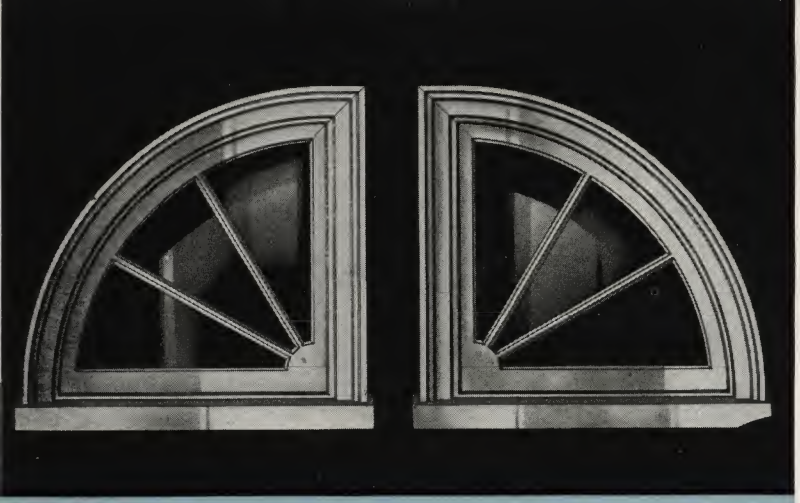
BW-2805

Standard overall size 1'-4" x 1'-3 7/16"
Stud opening 1'-2½" x 1'-3½". Carton Packed.





Bilt-Well Louvres are essential, particularly when insulation is used. In winter, ventilation in the attic is a "must" to eliminate condensation, thus increasing the effectiveness of the insulation by keeping it dry. In the summer, cross ventilation is vitally essential to reduce high temperature in attic and heat penetration into living areas. This "adds up" to greater all-year-round comfort with the use of Bilt-Well Louvres.



BW-2808L AND BW-2808R

Companion units or singly when desired. Furnished complete including frame and sash assembled. Standard overall size 1′-10″ x 1′-10⅝″ and sash assembled. Square inside to fit stud opening 1′-8½″ x 1′-10″. Carton Packed. No Hardware.



BW-2810L AND BW-2810R

Furnished in pairs. Singly when desired. Completely assembled and including wire cloth screen stapled to inside edge of frame. Wood back included. Standard overall size 1′-10″ x 1′-10⅝″. Square inside to fit stud opening 1′-8½″ x 1′-10″. Carton Packed.



GABLE SASH BW-2812

A complete unit including sash and frame. Furnished in standard overall size 3′-4″ x 1′-10⅝″. Square inside to fit stud opening 3′-2½″ x 1′-10″. Carton Packed. No hardware.





LOUVRE BW-2826

Furnished completely assembled including wire cloth screen stapled to inside edge of frame. Wood back included. Standard overall size 3′-4″ x 1′-10⅝″. Square inside to fit stud opening 3′-2½″ x 1′-10″. Carton Packed.



BILT WELL
WOOD WORK
REG. U. S. PAT. OFF.

Bilt-Well

SHUTTERS



Bilt-Well Blinds are better because of better materials and better construction.

A.I.A. File Number 19-E-2



BW-2980

An attractive shutter design with horizontal slats made of solid wood. They are mortised into the stiles for sturdy construction. The stiles and rails are Ponderosa Pine mortised, tenoned, and pinned for utmost permanence.

BW-2981

A rolling slat design consisting of horizontal slats which are operated by a vertical bar. The slats and bars are of solid Ponderosa Pine. The stiles and rails are also made of solid Ponderosa Pine, mortised, tenoned, and pinned together for longer service.

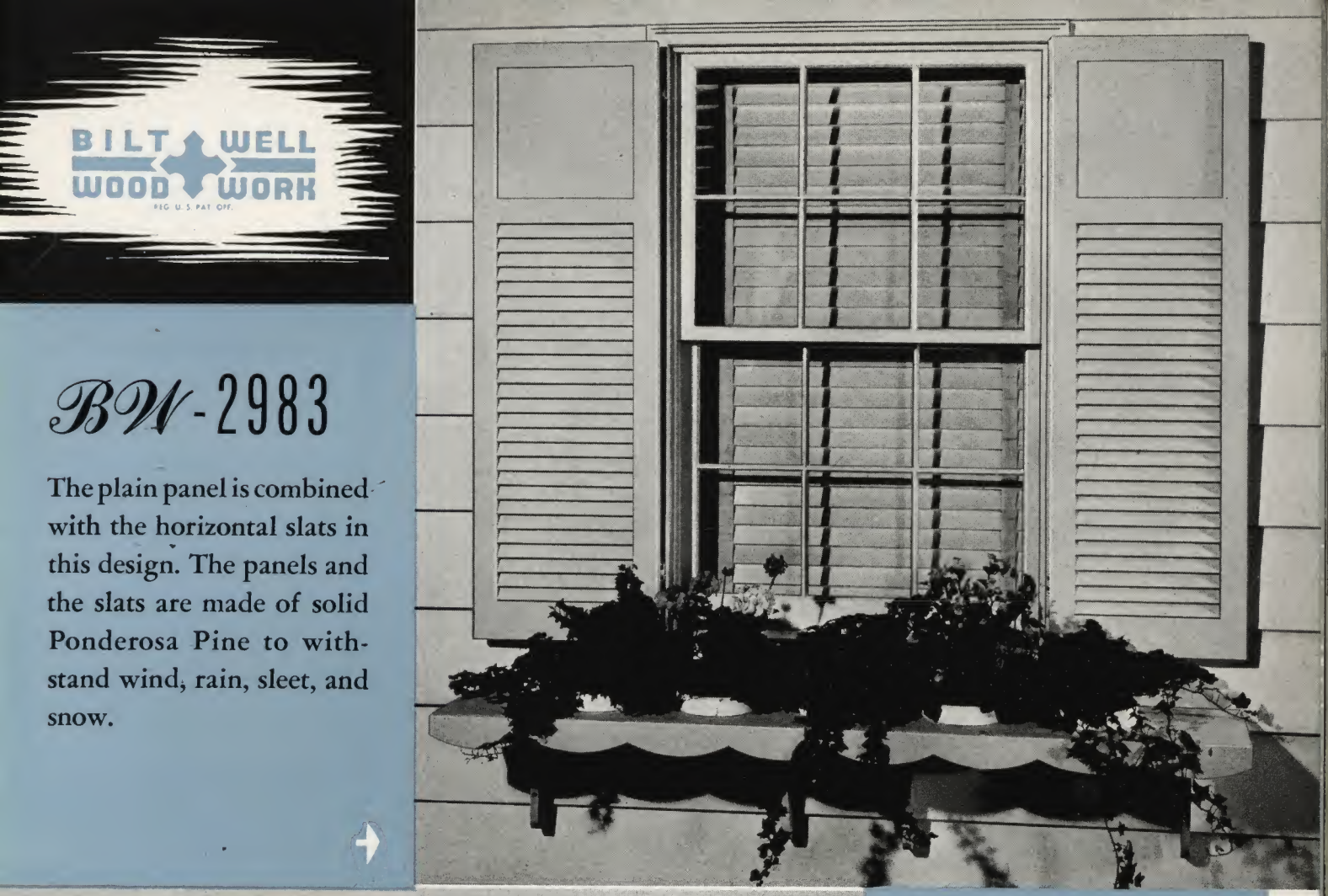


BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.

BW-2983

The plain panel is combined with the horizontal slats in this design. The panels and the slats are made of solid Ponderosa Pine to withstand wind, rain, sleet, and snow.





BW-2985

You may prefer this "trim" paneled design as it is, or you may have a design cut into the top panel. Uniformity in fitting, neatness of workmanship, and durability of construction are the new accomplishments developed in Bilt-Well Blinds.

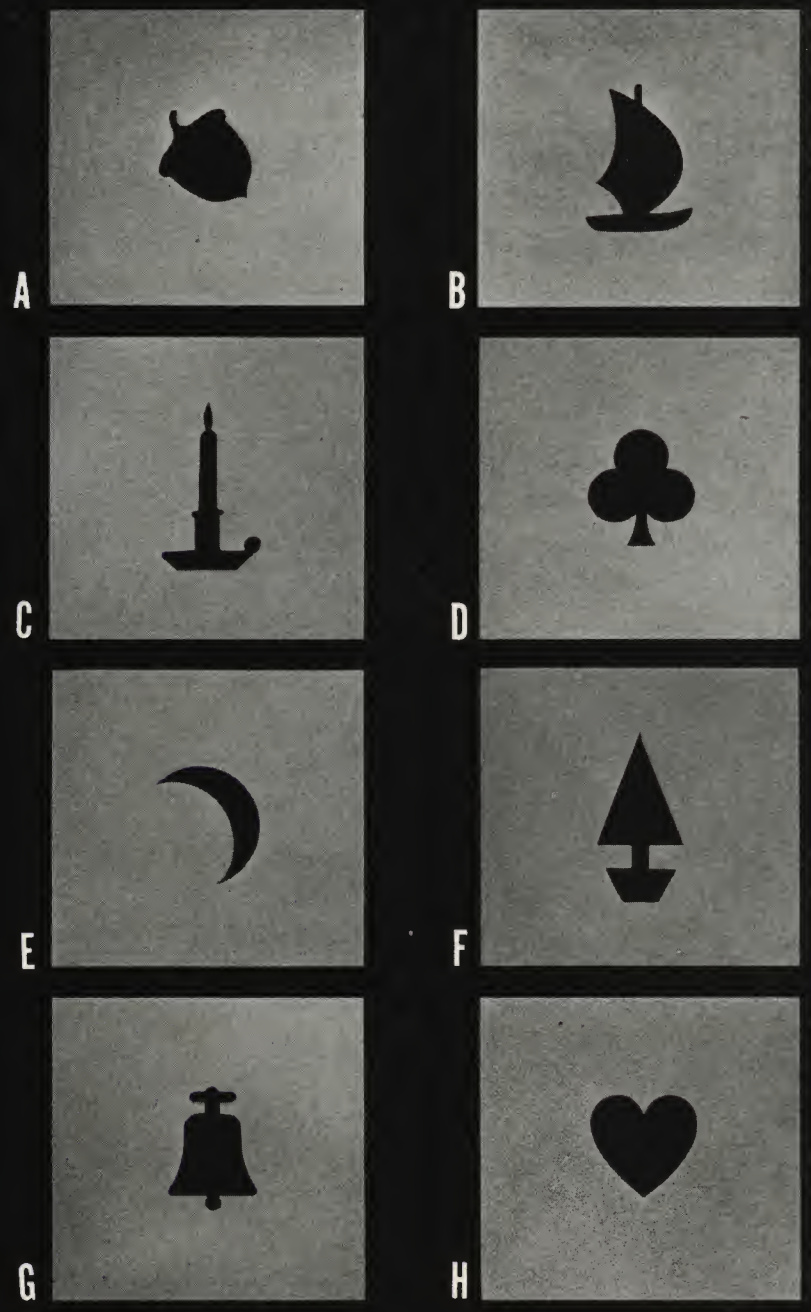
BILT-WELL WOOD WORK

REG. U.S. PAT. OFF.

BETTER BECAUSE OF BETTER MATERIALS AND BETTER CONSTRUCTION

Bilt-Well Blinds and Shutters are manufactured of 1⅛" Ponderosa Pine in pairs the exact size of the window opening in width and 1½" over the opening in height. They are sturdily made using blind mortised and tenoned corners pinned with steel barbed sash pins. Designs BW-2980 and BW-2983 have stationary slats which are routed into the stiles making a very rigid type of construction. BW-2981 has adjustable rolling slats which are inserted in the stiles of the blinds. The vertical bar is stapled to the slats and operates freely. Designs BW-2983 and BW-2985 are furnished with any of the cut-outs illustrated at the right. When ordering please specify according to the alphabetical initial which, if any, cut-out is desired (thus, BW-2985—B). If the top panel is to be plain as shown in the illustrations on the preceding pages, simply specify the BW number.

STANDARD CUT-OUTS

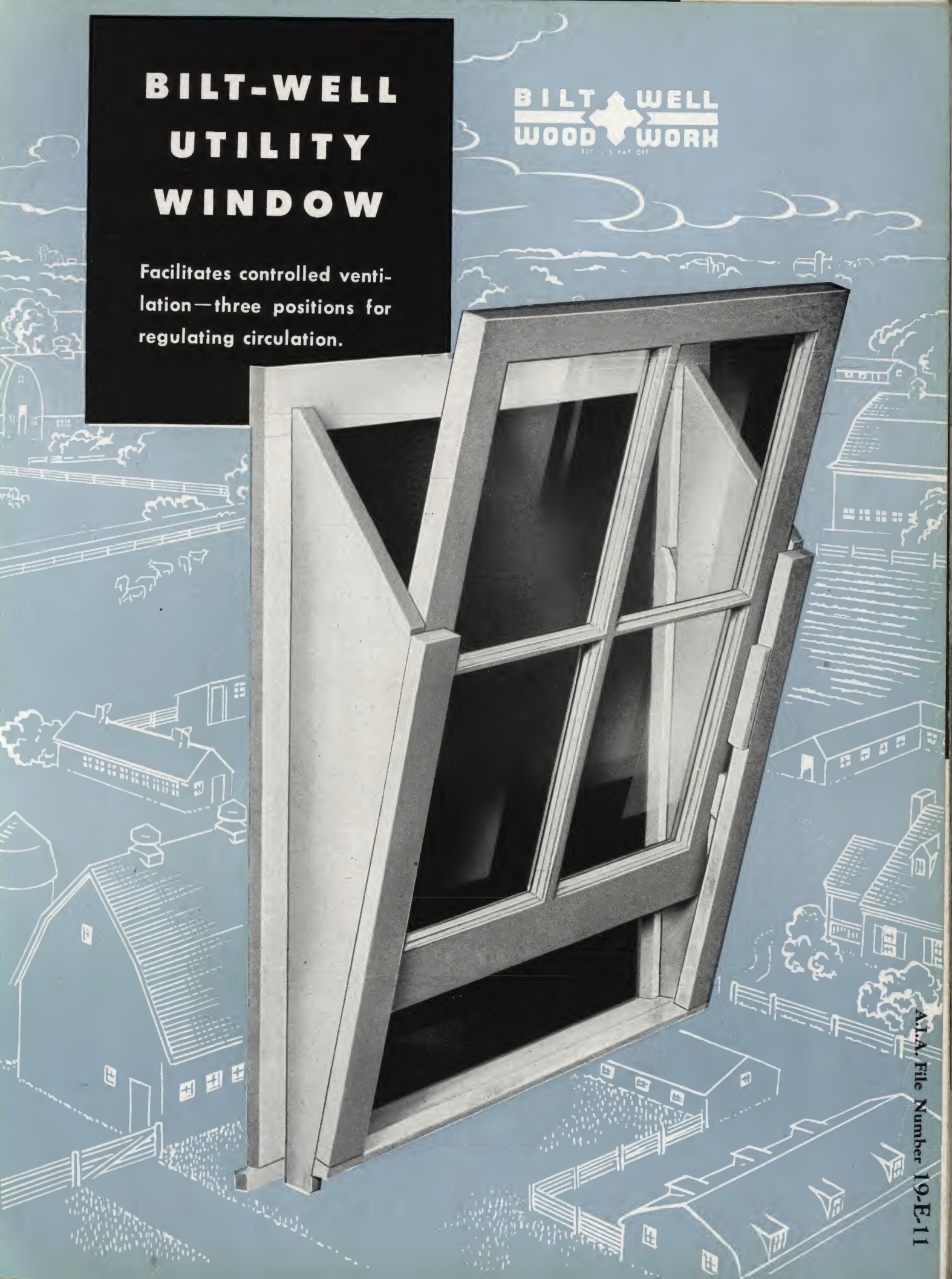


These Standard Cut-Outs can be furnished with any Bilt-Well paneled blind. Add your personal touch to the shutters by choosing one of these.

BILT-WELL UTILITY WINDOW

Facilitates controlled ventilation—three positions for regulating circulation.

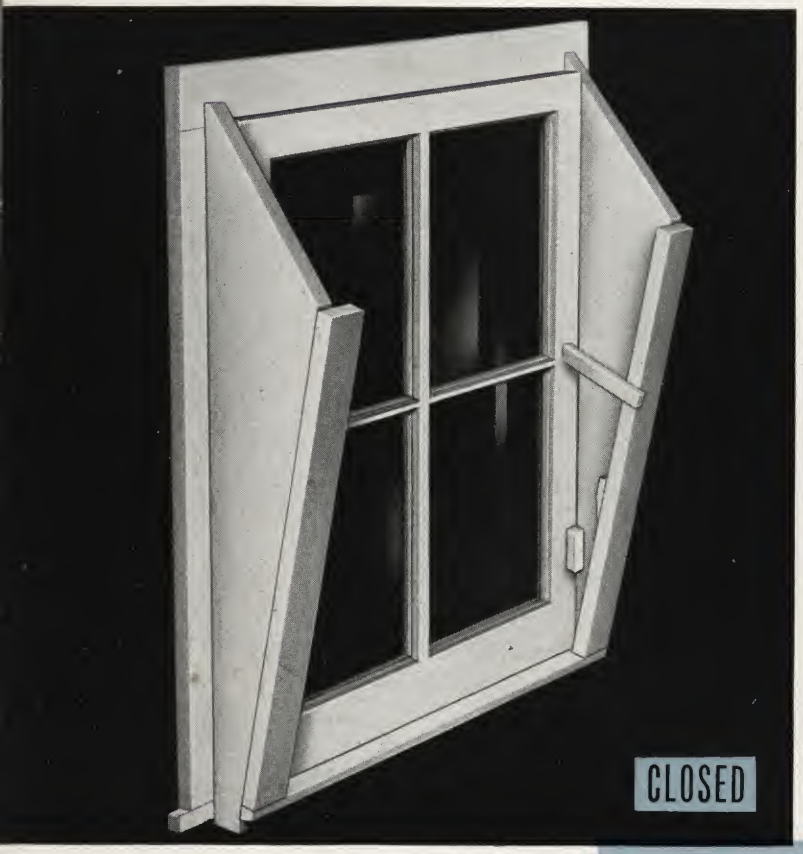
BILT WELL WOOD WORK



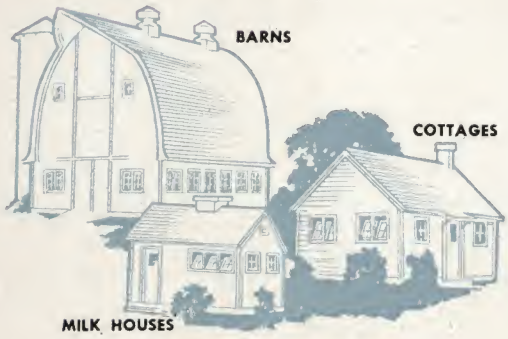
A.I.A. File Number 19-E.11

THE BILT-WELL UTILITY WINDOW

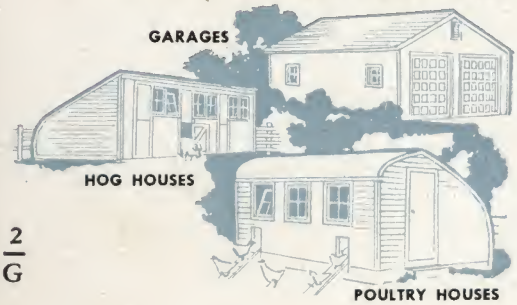
A poorly ventilated barn or poultry house can be a nuisance as the interior doubtlessly would be damp and wet. All herds of animals and flocks of poultry give off many gallons of water in the course of a day. In winter a large percentage of the feed consumed goes into maintaining body heat. Bad ventilation means wet walls, water-soaked insulation, odorous milk, and a condition favorable to the development of disease. In this unfavorable condition no animal or fowl can produce at capacity.

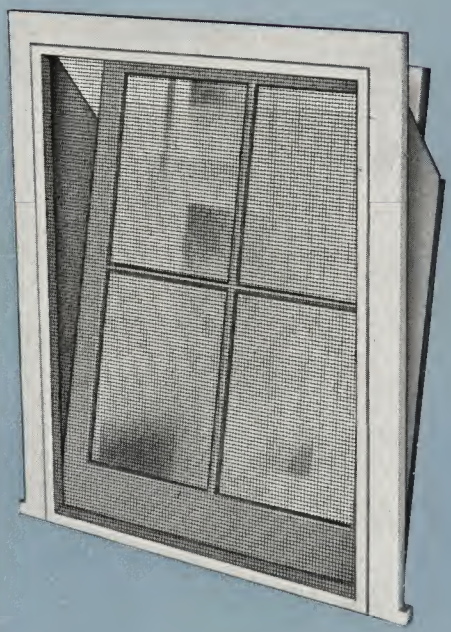






THE BILT-WELL UTILITY WINDOW HAS MANY USES





UTILITY WINDOW SCREEN

A fine mesh wire cloth is furnished to be permanently applied to the Bilt-Well Utility Window. This is an added feature offered, which will prevent the entrance of flying pests through windows.

BILT-WELL WOOD WORK

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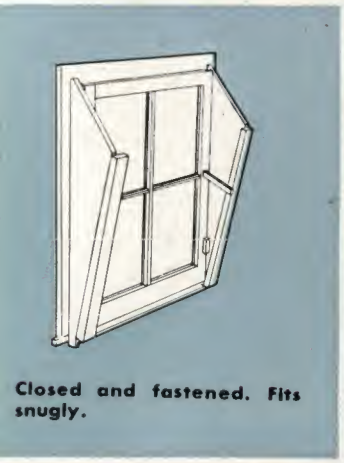
Therefore, a well-designed barn, hog house, or chicken house must be not only warm in winter and cool in summer but have efficient draft-free ventilation as well. For increased output and larger profits, equip your barns, poultry and hog houses with Bilt-Well Utility Windows. They provide the proper type of ventilation and have three open positions to regulate the amount of air circulation for the variations in temperatures.



SIMPLE INSTALLATION
EASY OPERATION
STURDY CONSTRUCTION







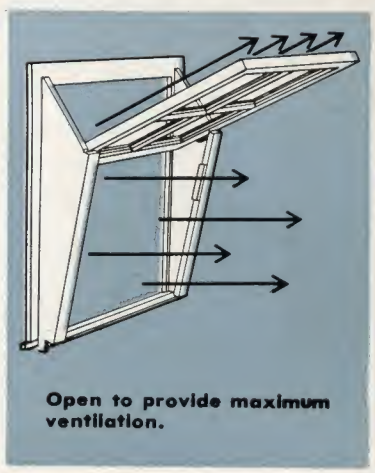
Closed and fastened. Fits snugly.



Tilted for no-draft ventilation.



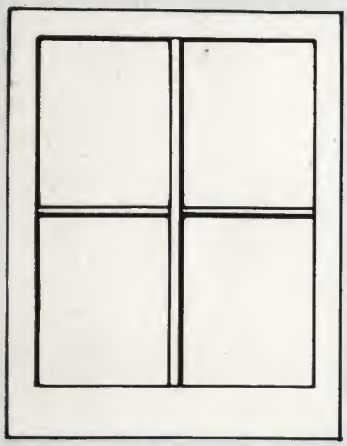
Raised for circulation and infiltration of fresh air.



Open to provide maximum ventilation.

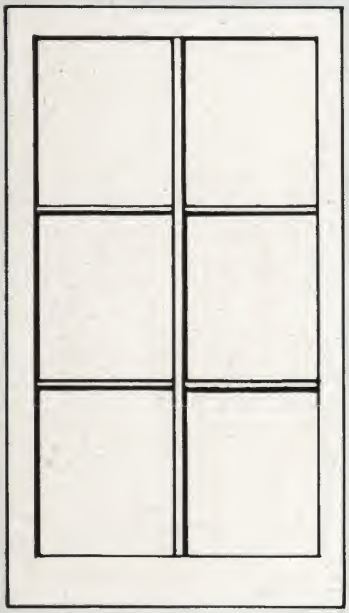
SPECIFICATIONS: Manufactured of thoroughly seasoned kiln dried Ponderosa Pine. All parts are accurately machined to insure correct fitting. Chemically treated to retard moisture and protect against wood destroying fungi. Furnished complete—no hardware required. Shipped K. D. (knocked down) and packed in bundles.

THREE STANDARD DESIGNS



BW-2820

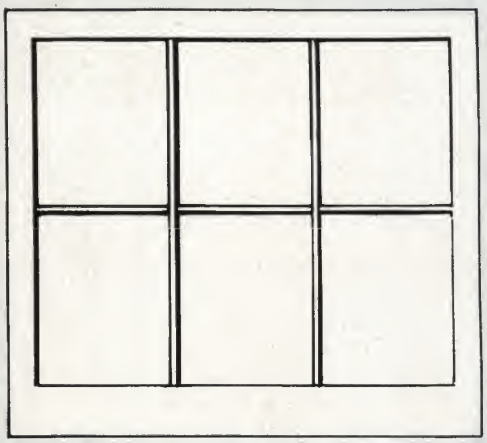
This Bilt-Well Utility Unit is furnished in the following standard size: 4 lt, 8″x10″ (glass), sash size 1′-8″x2′-1″, and the stud opening required is 1′-10″x2′-2¾″ (Fits between standard spaced studs 24″ o.c.) Glazed with SSB Glass.



BW-2823

An ideal unit for ample light and air. It is furnished in a standard size of 6 lt, 8″x10″ (glass), sash size 1′-8″x2′-11¼″ and the stud opening required is 1′-10″x3′-1″ (Fits between standard spaced studs 24″ o.c.) Glazed with SSB Glass.

BW-2825



Furnished in a standard size 6 lt 8″x10″ (glass), sash size 2′-4″x2′-1″; stud opening 2′-6″x2′-2¾″. Glazed with SSB Glass.



CUT AWAY VIEW





COMES READY TO INSTALL
. . . JUST PLACE IN POSITION

Bilt-Well
BASEMENT WINDOWS

with the heat saving advantages of wood plus large glass area

BILT WELL WOOD WORK

A.I.A. File Number 19-E-11

Bilt-Well

BASEMENT WINDOWS

BW-2860



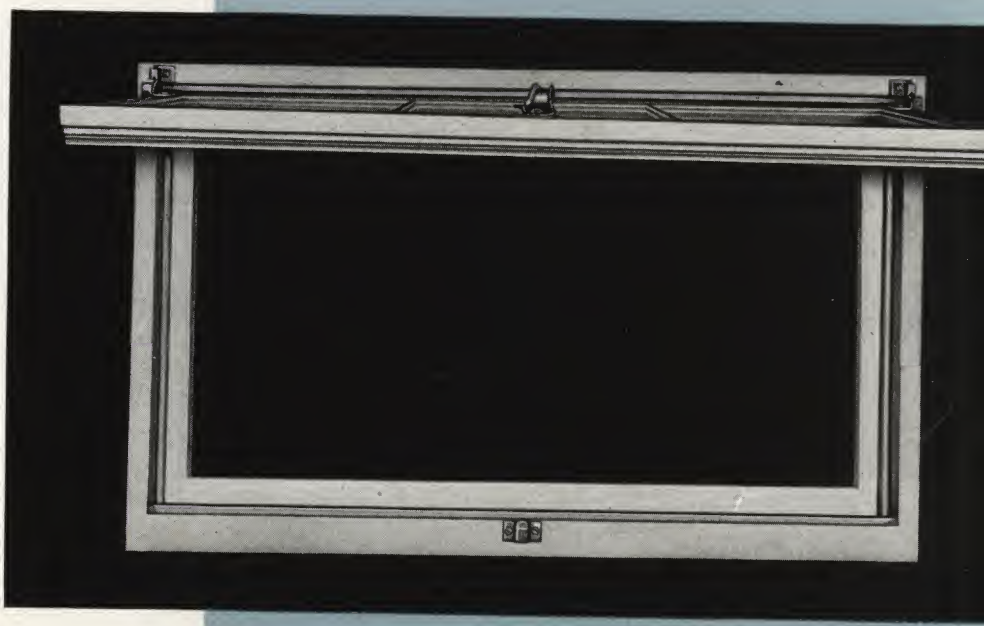




Inside view of Basement Unit with ventilator or sash close



Pictured with ventilator (or Sash) in one of the open position



Showing ventilator (or Sash) open the full opening.

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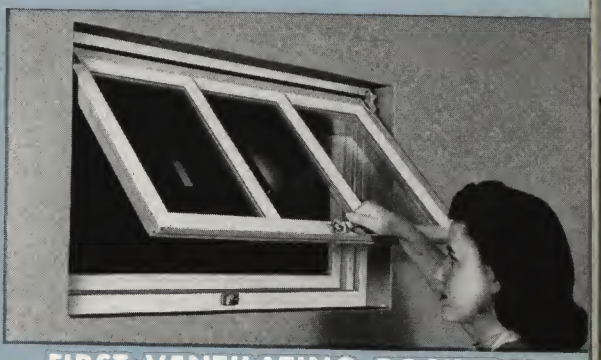
STAYS OPEN WITHOUT OTHER SUPPORT...
no hook...sticks or wires needed





THE VENTILATOR LOCK

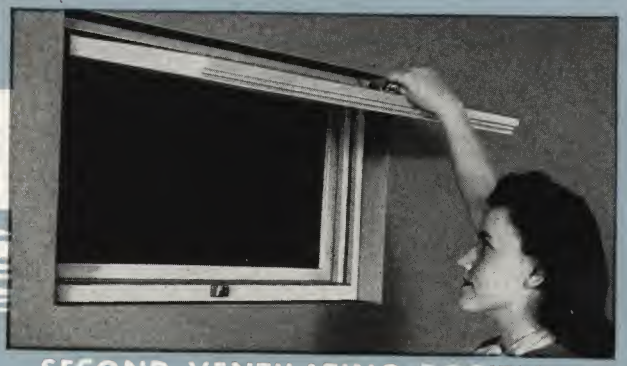
A rotary lock that forces the sash against the weatherstrip. When turned counter-clockwise, it draws the sash away to open it.



FIRST VENTILATING POSITION

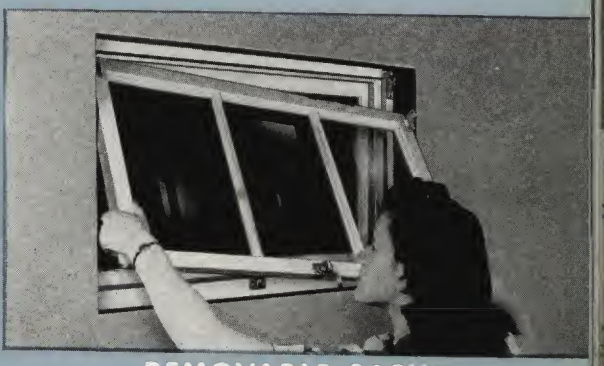
By swinging the sash upwards and then into a slot in the hinge, it will remain there for ventilation.

BILT-WELL WOOD WORK



SECOND VENTILATING POSITION

If lots of ventilation is desired, raise the sash to a horizontal position and the slot in the hinge will *hold it* open.



REMOVABLE SASH

The sash may be removed for cleaning and painting—no tools are required.

BILT-WELL BASEMENT WINDOWS are produced in these standard sizes:

Gear Sizes	Number of lights	Masonry Opening
9" x 10"	3	2'-8" x 1'-4"
9" x 14"	3	2'-8" x 1'-8"
9" x 18"	3	2'-8" x 2'-0"

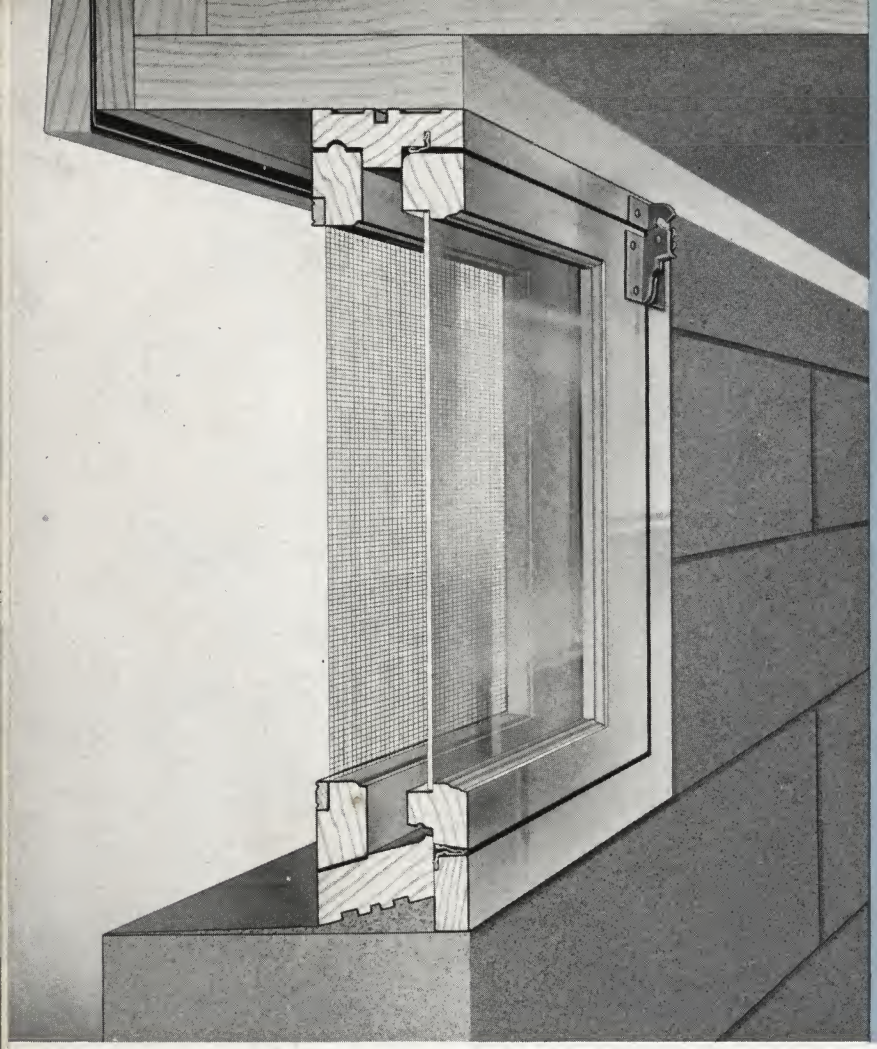


THE VENTILATOR HINGE

A close-up view showing the sturdy design of hinge and the feature of the slots for holding the ventilator open.



FACTORY ASSEMBLED UNITS, COMPLETE WITH HARDWARE, SASH AND SCREEN. CHEMICALLY TREATED, PACKED TWO TO A CARTON AND READY TO INSTALL.



SPECIFICATIONS

FRAME—Clear Ponderosa Pine, chemically treated. Standardized in construction for poured or block-type walls. Set up. Weatherstrip factory applied. Rust-proof hardware installed before shipping.

SASH—Glazed, chemically treated and factory fitted. Mortised and tenoned joints. Bottom rail rabbeted to make weather-tight joint. Hinged in frame at factory.
SCREEN—Factory assembled and fitted in frame. Chemically treated. Mortised, and tenoned. "Rolled-in" 16-mesh coppered bronze wire cloth.

HARDWARE—Specially designed hinges for holding sash in two positions. Locking device tapered for securely locking and easily releasing the sash. Screen hardware consists of inside fasteners which can also be used for storm sash. All hardware parts are cadmium plated.

The three stock sizes of Bilt-Well Basement Windows fit the new modular masonry blocks which are now being produced. Where there is a difference of measurements between the window unit and the opening size of standard blocks, it is recommended that cement grouting be used to compensate for any difference. Where this difference is great enough a poured concrete sloping sill should be added. In poured concrete walls the frame is installed in the forms, and the concrete poured around it. The grooves in the back of the Bilt-Well Unit form a key to anchor the frame



AUXILIARY (STORM SASH) WINDOWS

In a cold climate Storm Sash are required to reduce heat loss making it easier to heat a residence or building. A cold basement usually results in a cold first floor.



BILT WELL WOOD WORK

REG. U.S. PAT. OFF.

Bilt-Well

COMBINATION DOORS and STORM SASH

BILT-WELL WOOD WORK

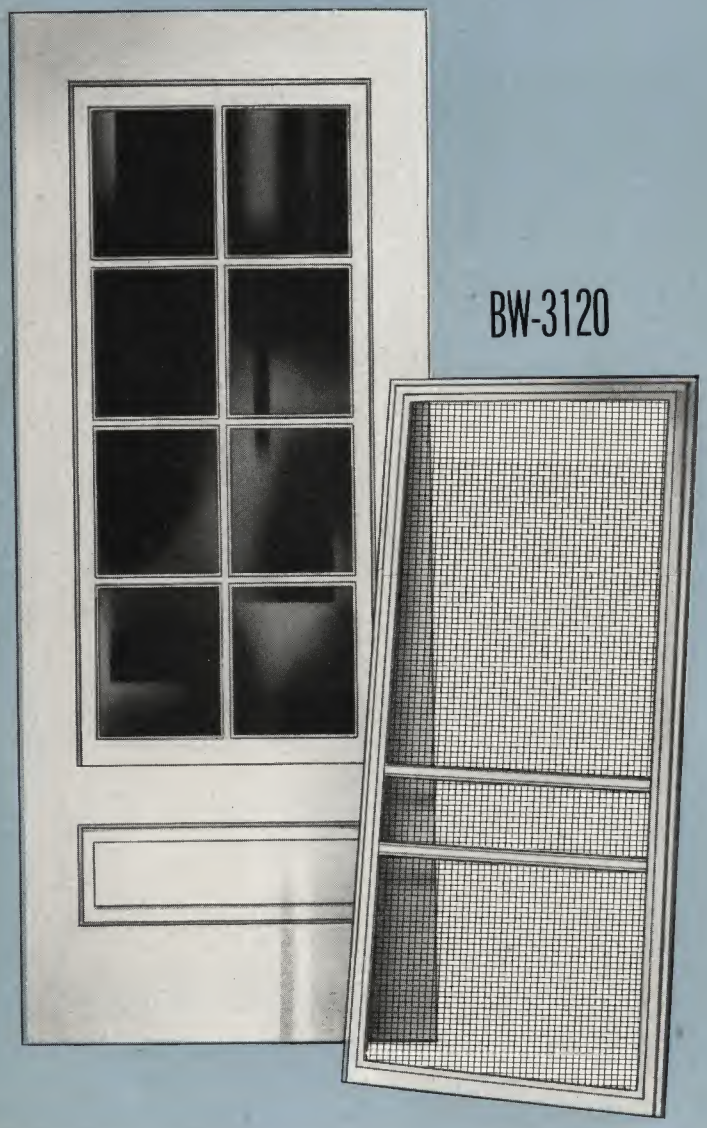
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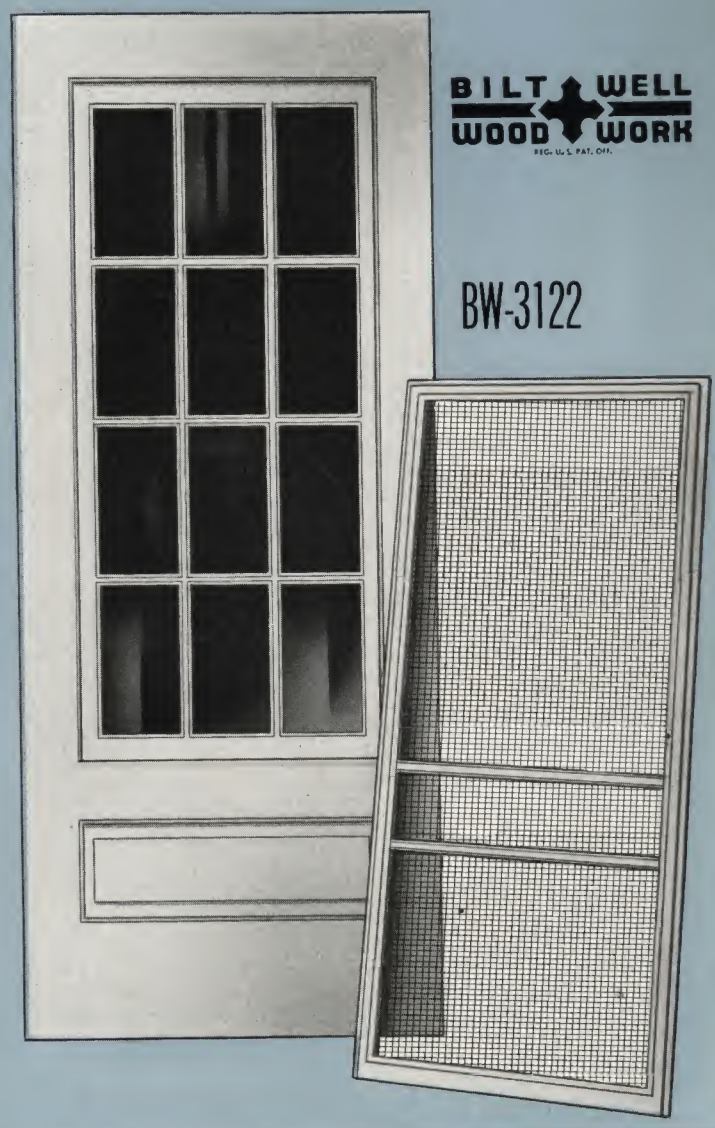




A.I.A. File Number 19-E-14

BILT-WELL COMBINATION DOORS





STORM DOOR in Winter and SCREEN DOOR in Summer



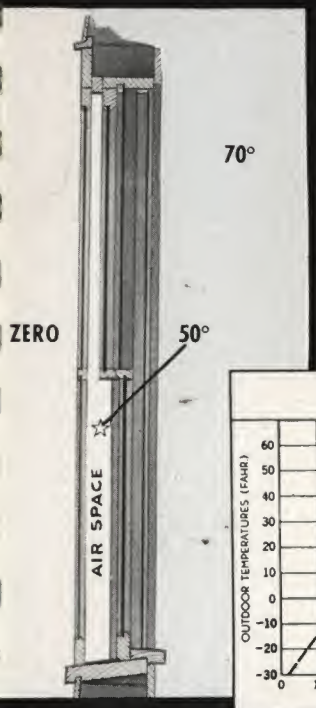
A Bilt-Well Combination Door is really two doors in one . . . a storm door in winter and a screen door in summer at much less cost than both a screen door and a storm door . . . and it is far more convenient! To change the door from a screen door to a storm door, simply turn the fasteners and replace the Screen with the storm panel. This requires very little effort and time.

Great care exercised in the designing, manufacturing, and assembling of Bilt-Well Combination Storm and Screen Doors results in a better product without extra cost. The screen and the storm panels fit into the door and are so joined that they prevent any leakage of air or water. Every part is carefully made to eliminate the possibility of draft. A convenient metal fastener holds the panel in place, and this can be adjusted to draw the storm or screen panel tightly into position.

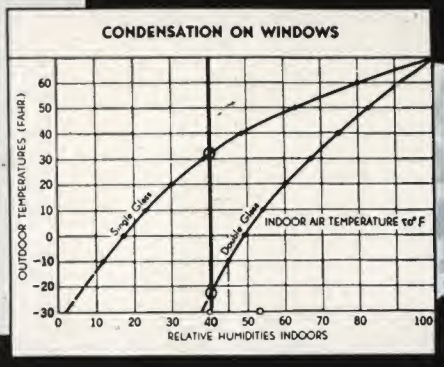


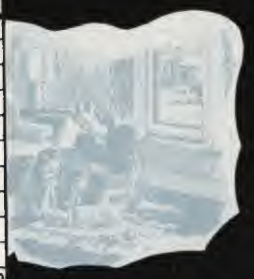
COPYRIGHT 1946

. . . save fuel . . . provide greater comfort and protection



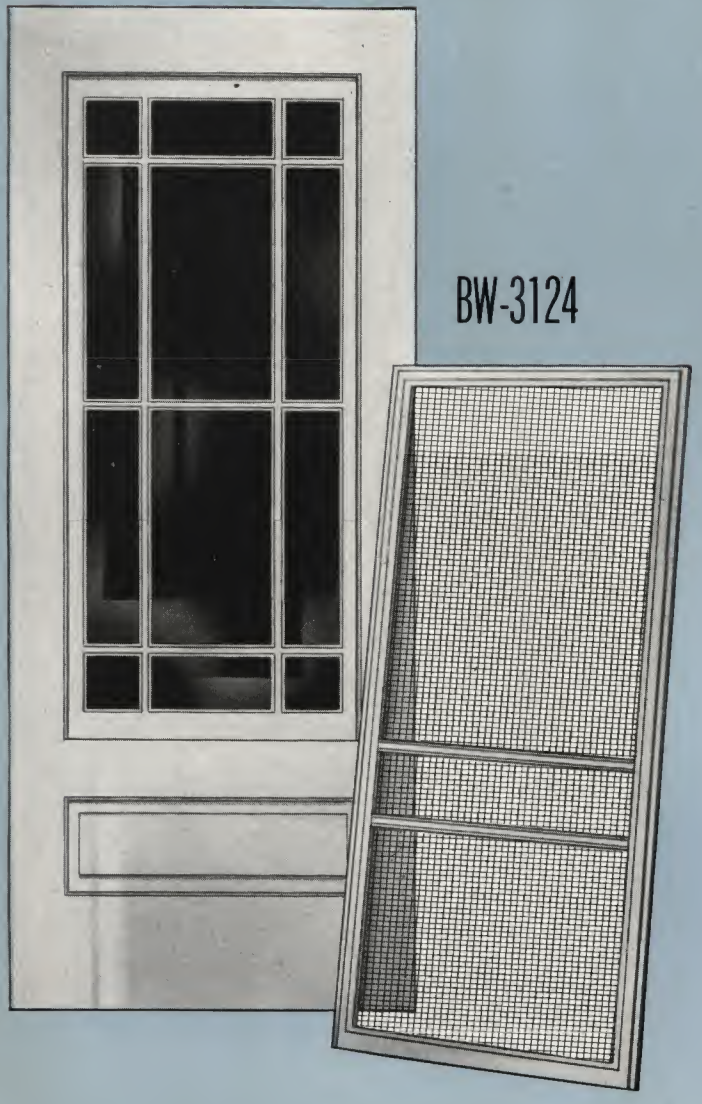
It is one thing to heat a house and another thing to try to heat the house and part of the outdoors around it. Don't blame the furnace. Furnaces are made to heat houses, not all outdoors. A home, to be comfortable in cold weather, should be equipped with these Bilt-Well Combination Doors and Storm Sash; because every door and window is a heat escape. In winter weather the heat goes out and the cold comes in. These exposures are fighting the furnace every minute of the day and night.

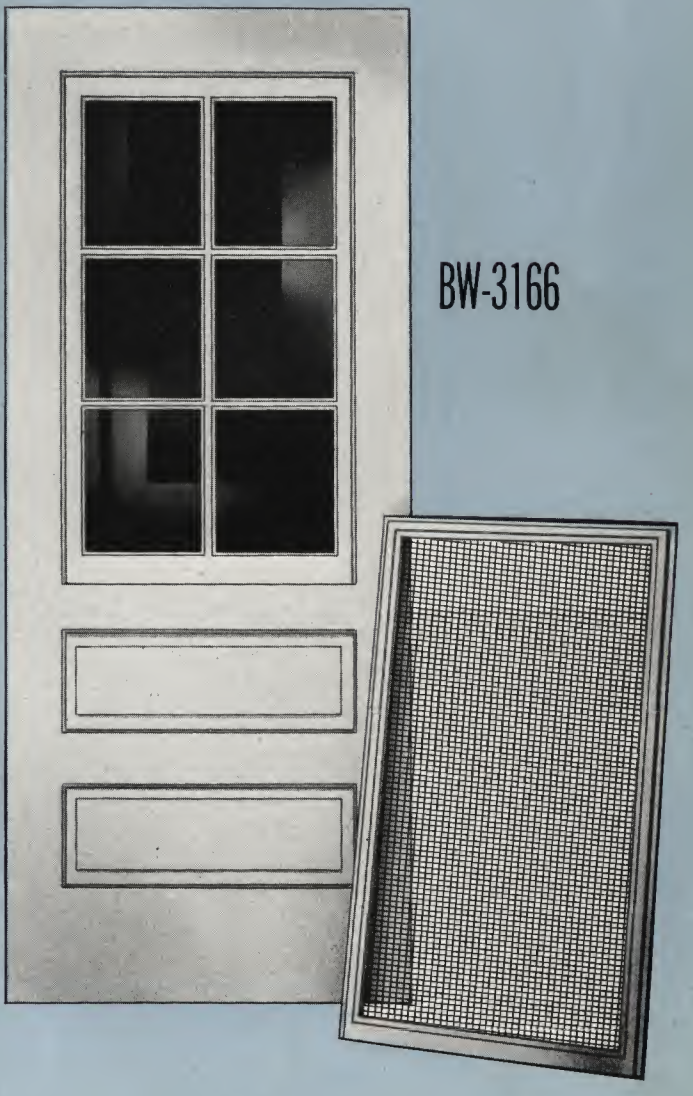




The air space created between the outside door and the room door provides real insulation, keeping the heat in and the wintry winds out. Every outside entrance should be equipped with a Bilt-Well Combination Door to keep out the cold air, eliminate drafts, and reduce the consumption of fuel.

Bilt-Well Combination Doors and Storm Sash embody all the outstanding features resulting from 80 years of door manufacturing experience.





BILT-WELL STORM SASH

pay for themselves in fuel savings

While Bilt-Well Storm Sash are not new, some recent experiments indicate their full value and effectiveness have not heretofore been entirely understood. Based on these new findings, here are the answers to a variety of questions on just what Bilt-Well Storm Sash installation will accomplish. First, they reduce the amount of cold air leaking into a house or apartment, and by actual tests a fuel saving of 20% has been achieved by installing Bilt-Well Storm Sash. A window that is poorly fitted and without weatherstrip will admit 110 cubic feet of air by leakage each hour for every foot length of crack. With storm sash this leakage is reduced to 55 cubic feet.

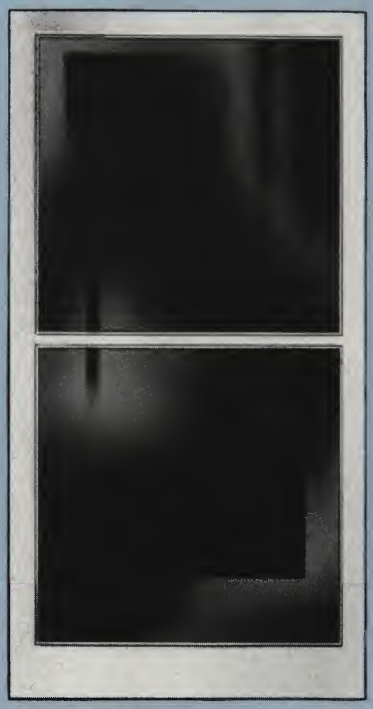


One of the most interesting things about the use of Bilt-Well Storm Sash is the way it increases the temperature of window glass, reducing heat loss in the room thus materially increasing the comfort of the occupants.

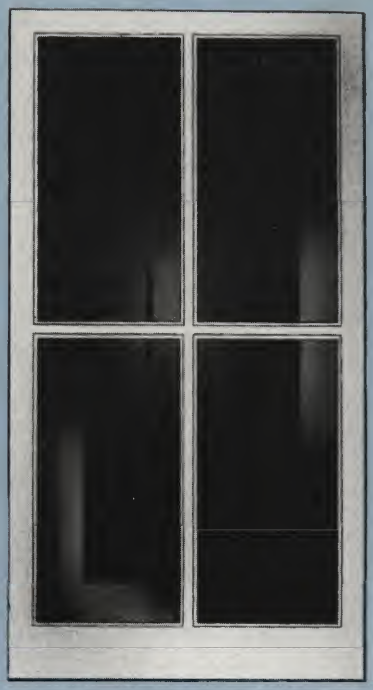
During zero weather, for instance, ordinary single window glass will be 18°. Where storm sash is used this window glass will be 41°. The difference in the temperature of the glass has a direct bearing on physical comfort because there is a correspondingly greater loss of body heat drawn to the colder glass.



Further, troublesome, hard-to-clean, frost formations and moisture fogging are greatly reduced, if not eliminated entirely, by the addition of Bilt-Well Storm Sash. They will also reduce the amount of soot and dirt entering the home or apartment.



BW-3174



BW-3176

Bilt-Well Storm Sash are manufactured of thoroughly seasoned kiln dried Ponderosa Pine.

Dimensions: Made in all sizes for standard sash openings.



BW-3172

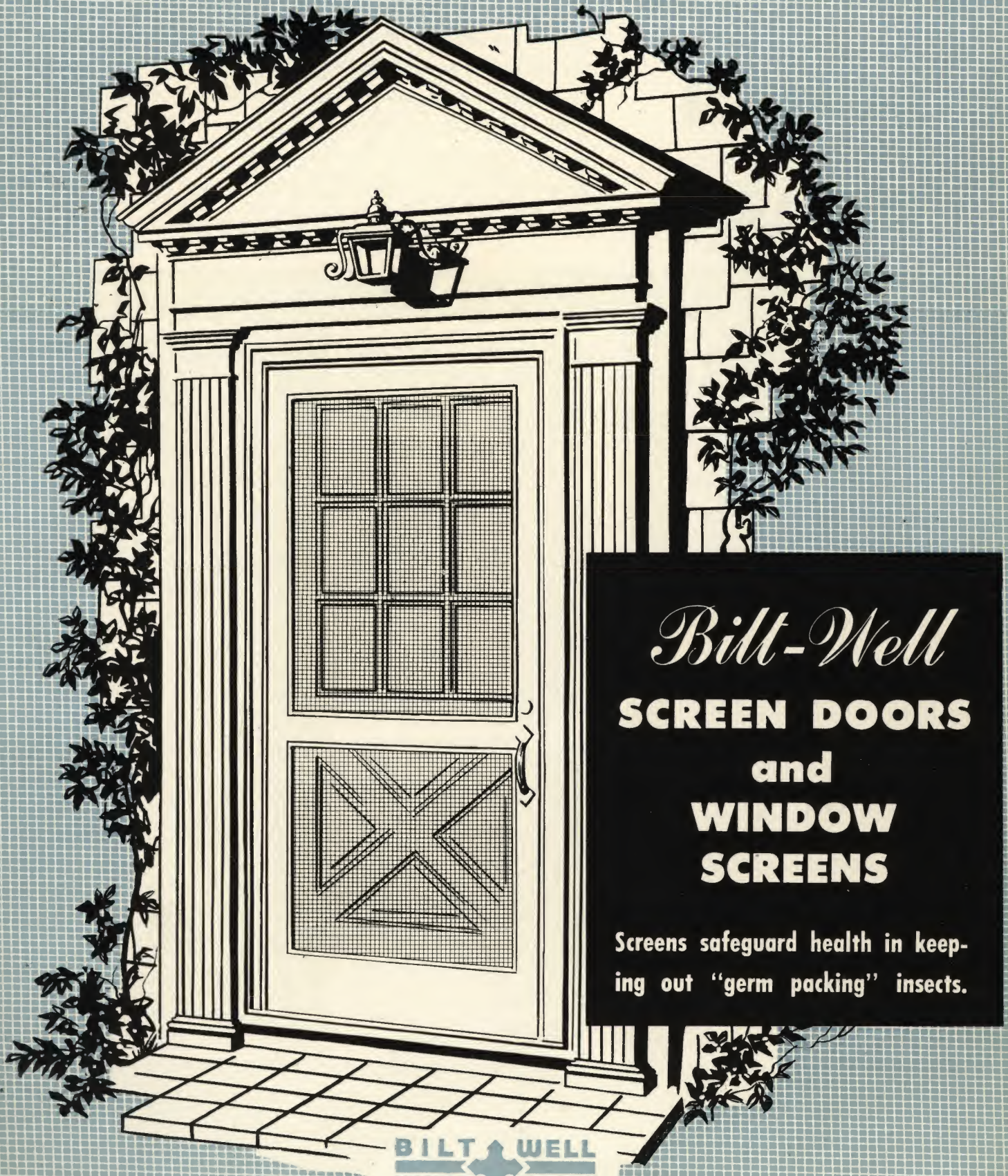


BW-3173

Bilt-Well Storm Sash for basements, etc. are manufactured of thoroughly seasoned, kiln dried Ponderosa Pine.

Dimensions: Made in all sizes for standard sash openings.

BILT-WELL
STORM SASH AND STORM DOORS
SAVE FUEL PROTECT HEALTH



Bilt-Well

SCREEN DOORS and WINDOW SCREENS

Screens safeguard health in keeping out "germ packing" insects.

BILT WELL WOOD WORK

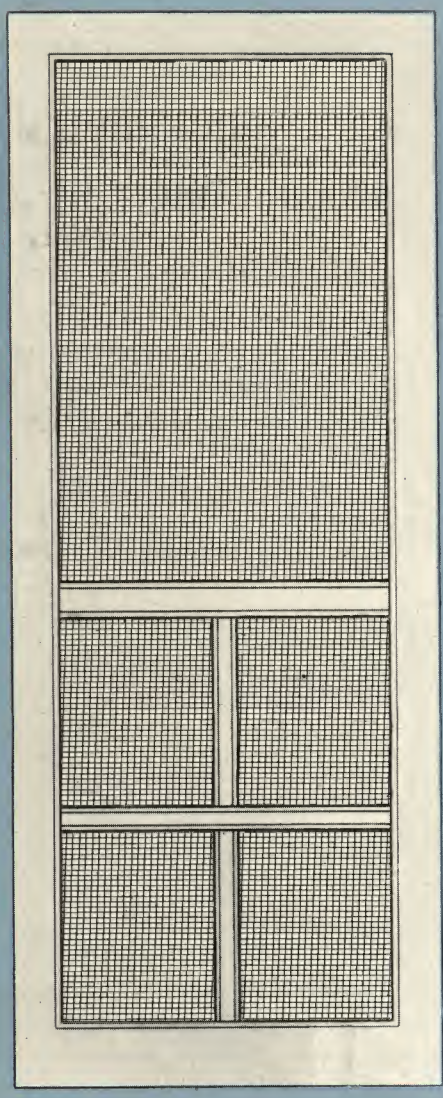
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BILT-WELL SCREEN DOORS

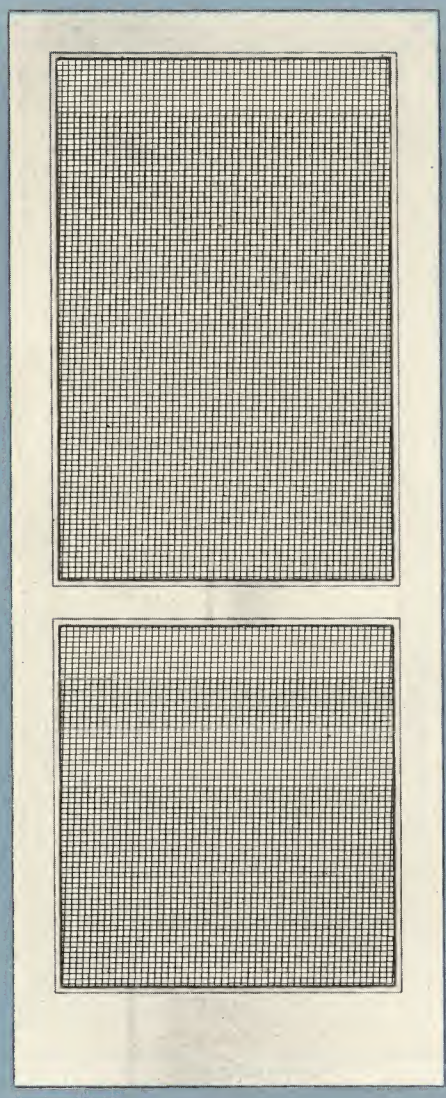
Many diseases are contracted because of germ carrying insects—perhaps more than from all other known causes. Flies and mosquitos are known to carry infectious germs and every effort should be made to exclude these dangerous "pests" from homes. Fly paper and "swatters" kill the individual fly or mosquito, but insects multiply far too rapidly for such methods to check the danger. Consequently, the only means of minimizing the "pests" is the application of Bilt-Well Screen Doors and Window Screens.

Besides being more attractive and "streamlined," Bilt-Well Screens



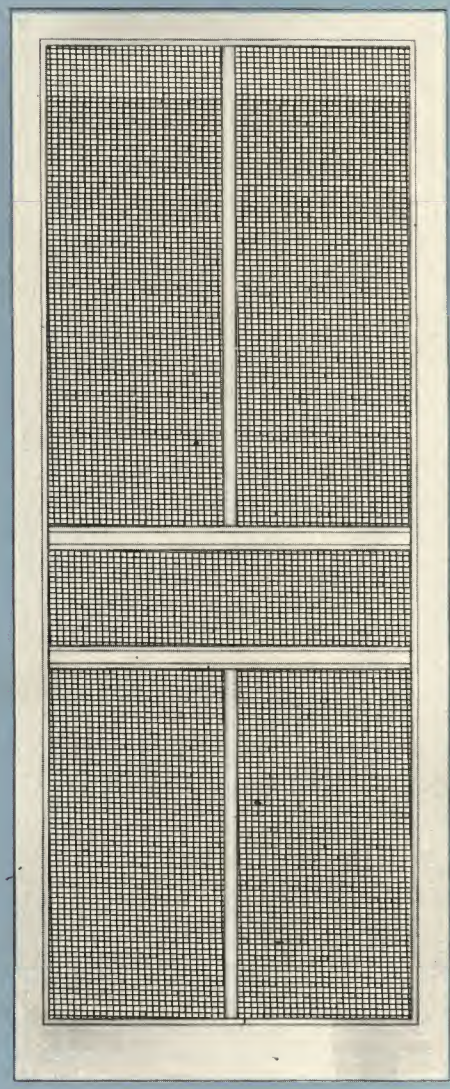
BW-3190 *Screen Door*

Stiles and top rail 3¾" wide; lock rail 2¾"; cross rails 1⅞"; and bottom rail 4¾" wide. Your choice of coppered bronze 16 mesh wire cloth or galvanized steel 16 mesh wire cloth.



BW-3192 *Screen Door*

Stiles and top rail 3¾" wide; lock rail 3½"; and bottom rail 7½" wide. Coppered bronze 16 mesh wire cloth, or galvanized steel 16 mesh wire cloth optional.

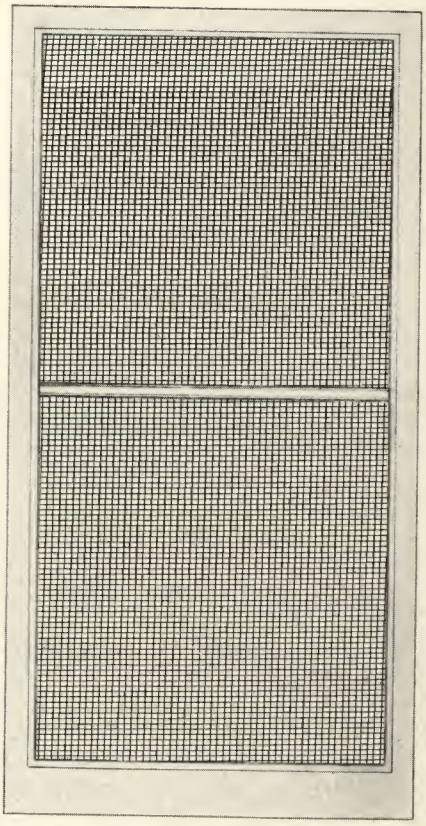


BW-3208 *Screen Door*

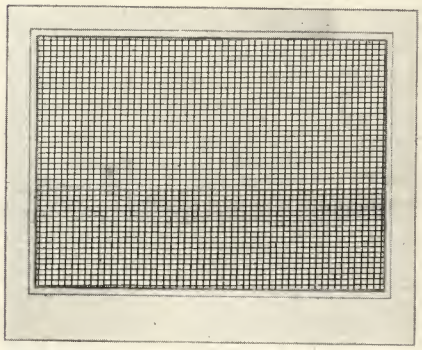
Stiles and top rail 2¾" wide; lock rail 1⅞"; bars ⅞"; and bottom rail 4¾" wide. Either coppered bronze 16 mesh wire cloth or galvanized steel 16 mesh wire cloth.

are easier to handle. They take up less storage space in the garage, basement or attic during winter months and are convenient to clean and paint.

Bilt-Well Screens are available in all popular standard sizes, and are manufactured from thoroughly seasoned kiln-dried Ponderosa Pine 1⅛" thick before sanding. High-grade materials and precise construction are to be understood, for screens are exposed to the weather and also are frequently given careless handling.

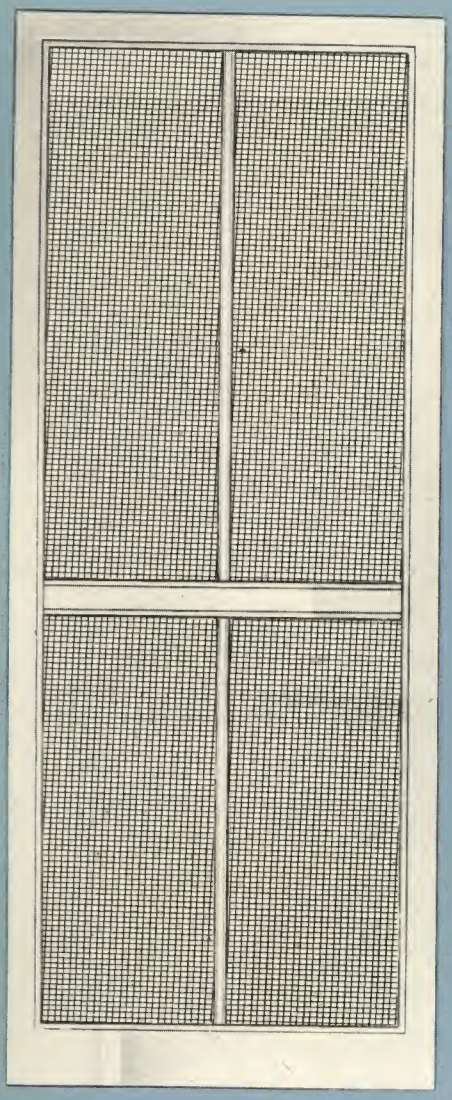


BW-3220 *Window Screen*



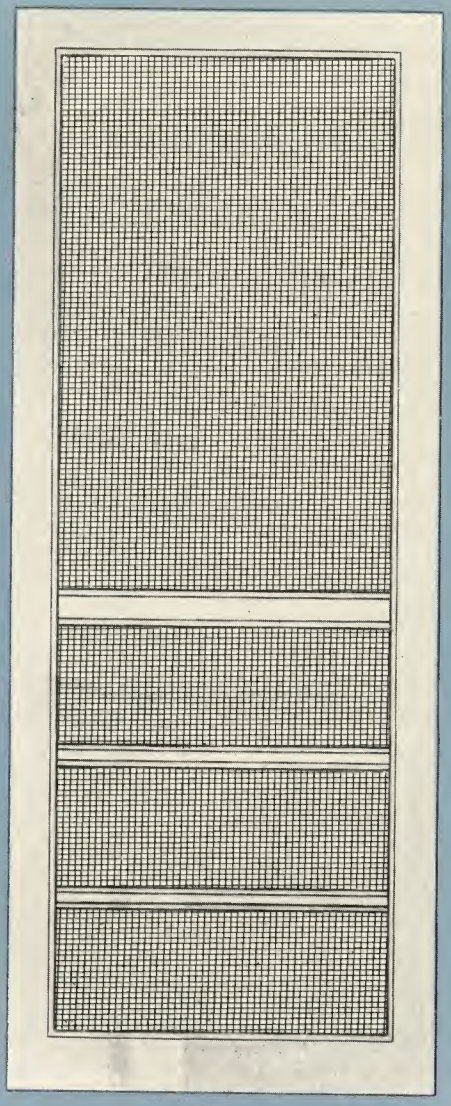
BW-3222
Cellar Sash Screen





BW-3214 *Screen Door*

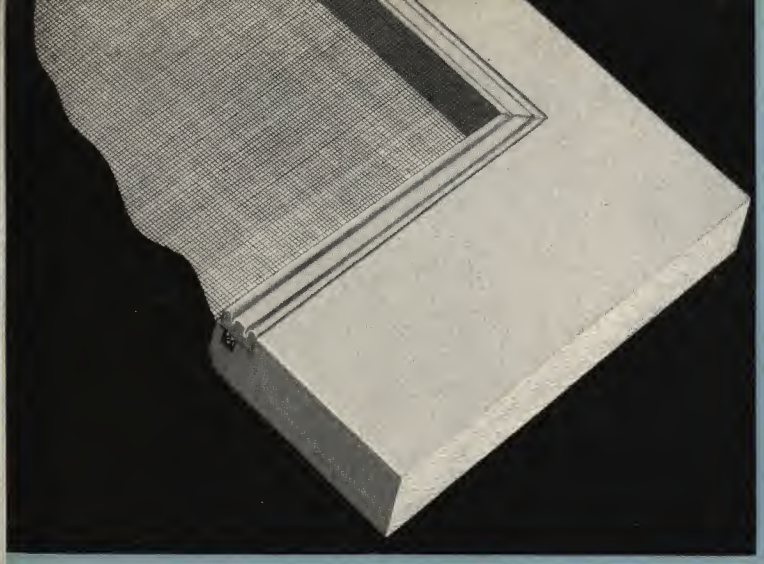
Stiles and top rail 2¾" wide; lock rail 2¾"; bars ⅞"; and bottom rail 4¾" wide. Coppered bronze 16 mesh wire cloth or galvanized steel 16 mesh wire cloth.



BW-3216 *Screen Door*

Stiles and top rail 3¾" wide; lock rail 2¾"; cross rail 1⅞"; and bottom rail 4¾" wide. Choice of coppered bronze 16 mesh wire cloth, or galvanized steel 16 mesh wire cloth.

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Specialists in the construction of Window Screens and Screen Doors are busy the year around producing Bilt-Well Screens. Actually the work of these skilled men reflects the precise workmanship resulting from uninterrupted, continuous practice. Their work is light, clean and interesting; the work room is modern and the equipment is up-to-date. All this is important and a definite relationship can be detected in the fine product which they produce.

APPLICATION OF WIRE CLOTH

In the manufacturing of Bilt-Well Screens the wood frame is grooved and the wire cloth is pressed into this groove by a mechanical operation. Tests for strength and durability reveal that this is far superior to stapling the wire cloth to the wood frame.





BILT-WELL WOOD WORK

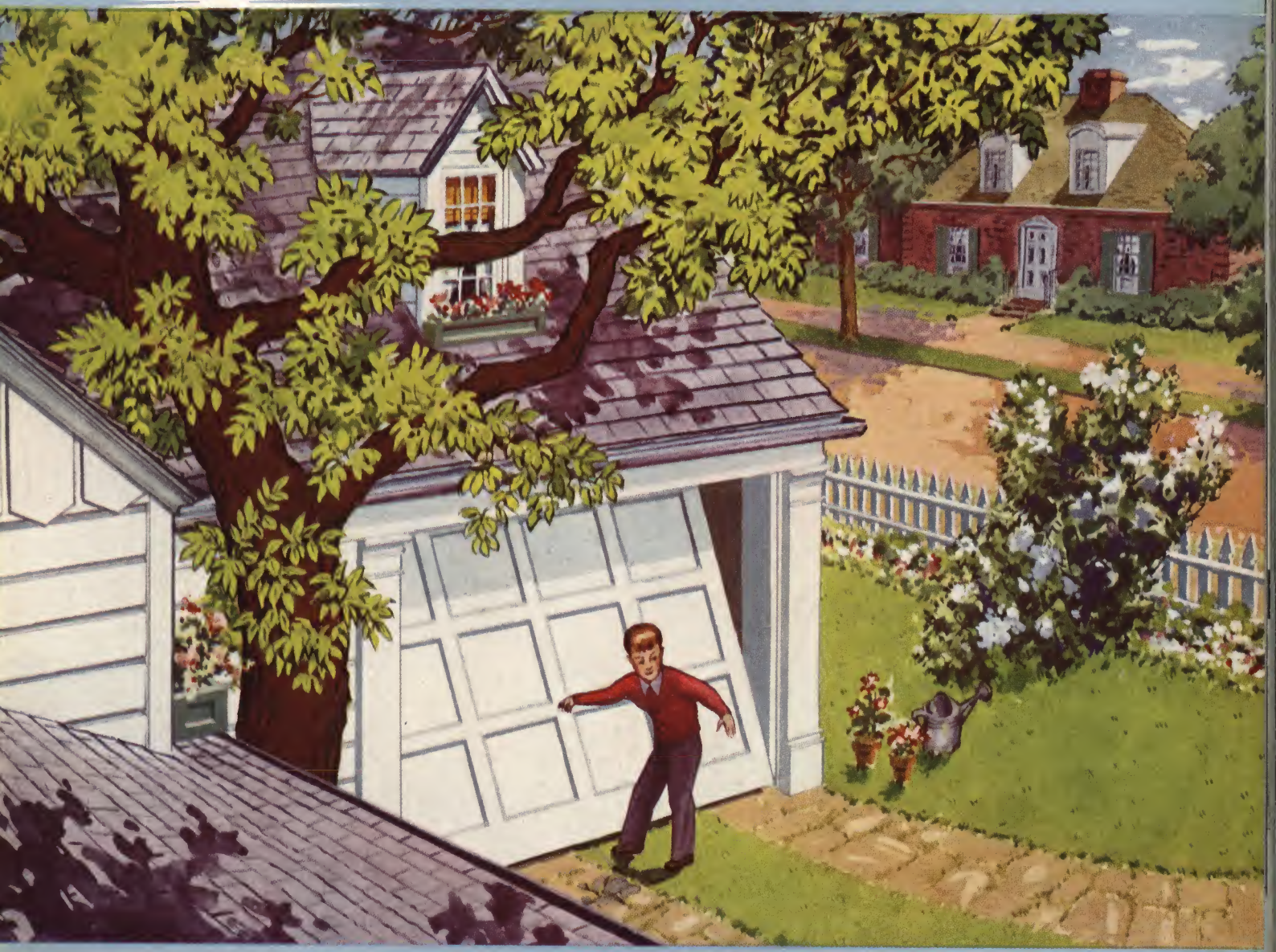
REG. U. S. PAT. OFF.

A.I.A. File Number 19-E-12

Bilt-Well

CARR-DOR Overhead Garage Doors

The garage door that opens with the touch of a finger, that slides overhead snugly out of the way, that closes firmly and tightly and that looks as well as it works.



BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.

ATTRACTIVE

The Carr-dor is made in two attractive designs adaptable to attached or detached garages. Architects, Realtors, and Builders highly approve these attractive designs and they tell us the Carr-dor adds to the saleability of homes. Building Contractors like the ease of installation and find the Carr-dor suitable for any project because it only requires 1½″ of clearance at the top and only 2″ at sides.



SNOW-PROOF

The Carr-dor, like a dependable car, operates properly at all times, in all kinds of weather. Snow will not hamper opening and closing a Carr-dor because it is overhead acting. The easy, smooth action and positive closing of the Carr-dor for a Car Owner is comparable to the "Self Starter" on his automobile—both are easy to operate and convenient.



WIND-PROOF

The Carr-dor when open is completely inside. There is absolutely no danger of the Carr-dor closing or slamming from wind pressure. Wind has no effect on the operation of the Carr-dor. When closed, the lock catches both sides of the Carr-dor—holds the door from rattling. When open, the Carr-dor is out of the wind.



EASY TO OPEN

The Carr-dor eliminates the tugging and pushing that is necessary with ordinary garage doors. A light touch and the door slides up and overhead—by itself—and stays there. The Carr-dor is equipped with ball-bearing rollers and straight channel track, which makes it operate with unusual ease.



EASY TO CLOSE

With a Carr-dor it takes such little effort to put your automobile in the garage. You won't dread operating the garage door, not if it is a Carr-dor, because it operates with finger-touch control. Easy opening, positive closing, and perfect balancing are practical features of the Carr-dor.



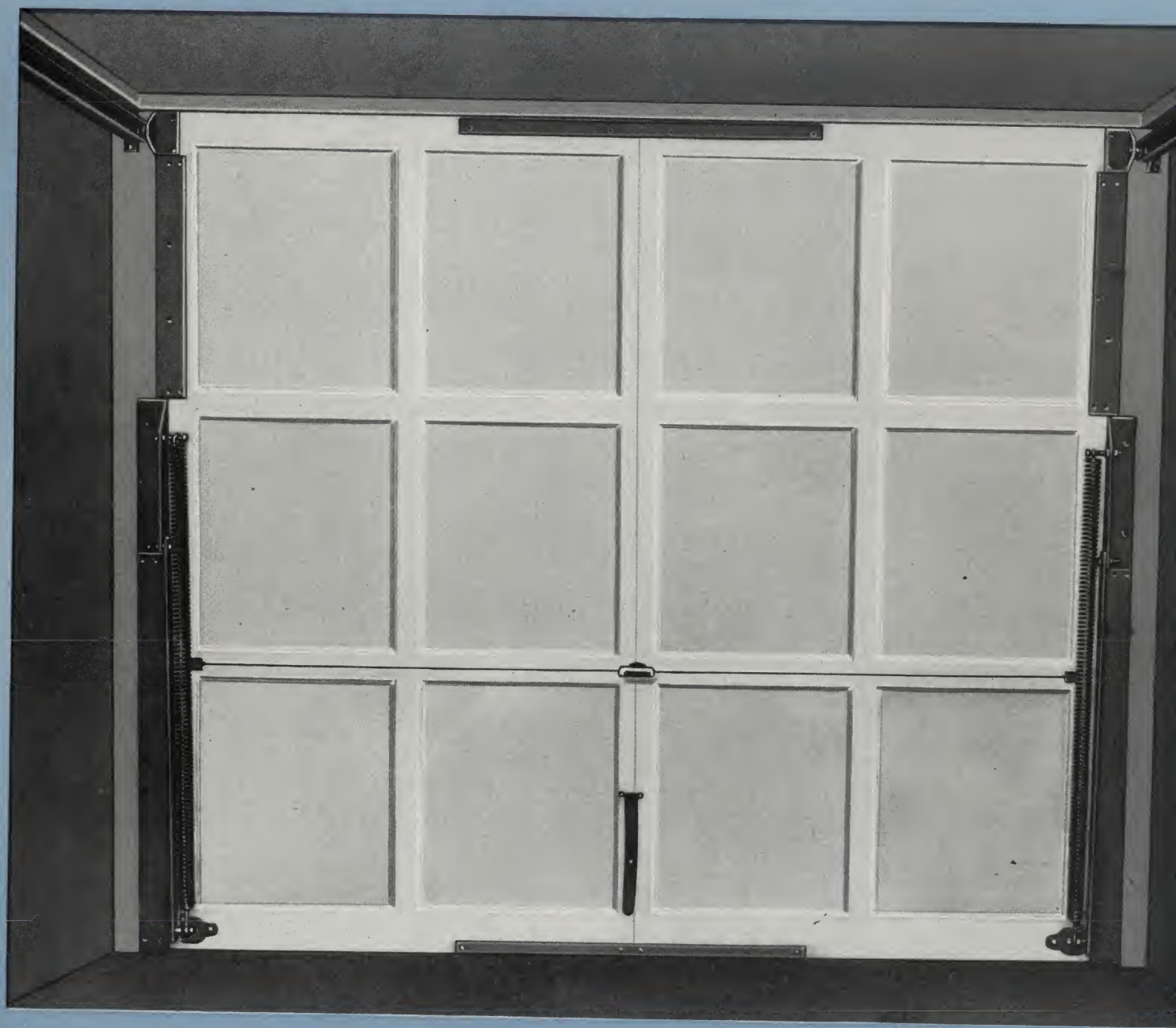
BUILT TO LAST

It's the "Ups and Downs" that count in the life of a Garage Door. The Carr-dor is operated and controlled by expertly engineered hardware with high carbon steel normalized operating arm and specially tempered, oil treated, individually tested springs with adjustments. The Carr-dor is trouble free—with its simplicity in construction and operation there is nothing to get out of order.



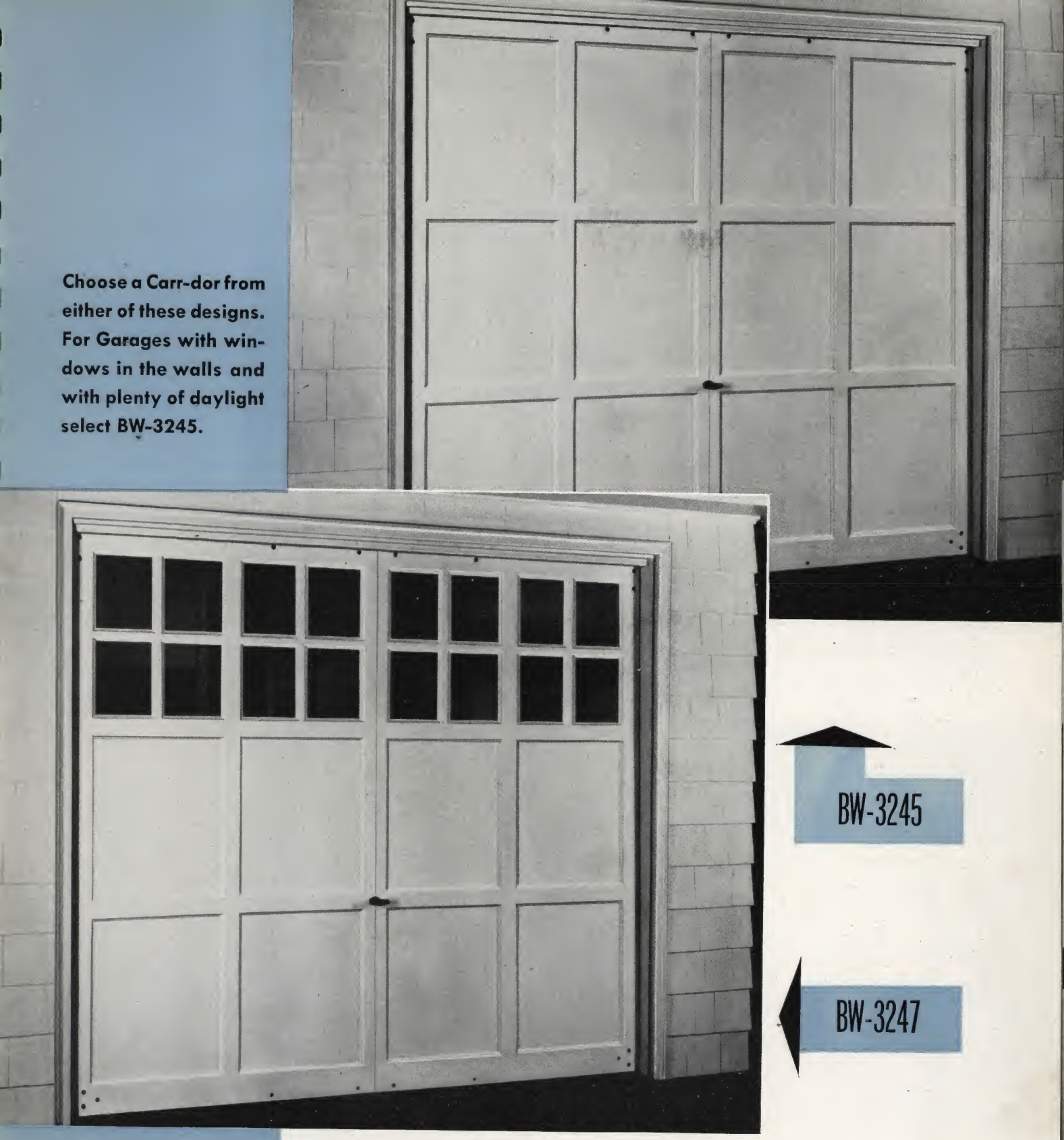
THE CARR-DOR OVERHEAD GARAGE DOO

Economical to buy and install ... easy to maintain ... sturdily constructed throughout.



An inside view of the Carr-dor in closed position not only reveals its neat appearance but in addition shows how snugly and properly it fills the opening,

Choose a Carr-dor from either of these designs. For Garages with windows in the walls and with plenty of daylight select BW-3245.



BW-3245

BW-3247

Garages in basements generally lack sufficient daylight and for that reason glass instead of wood panels are practical in design BW-3247. The divisions in the glass may be varied by removing the vertical muntins. This is important only when the garage is a part of the house, and it is desired to have the divisions in the Carr-dor similar to windows and doors of your home.

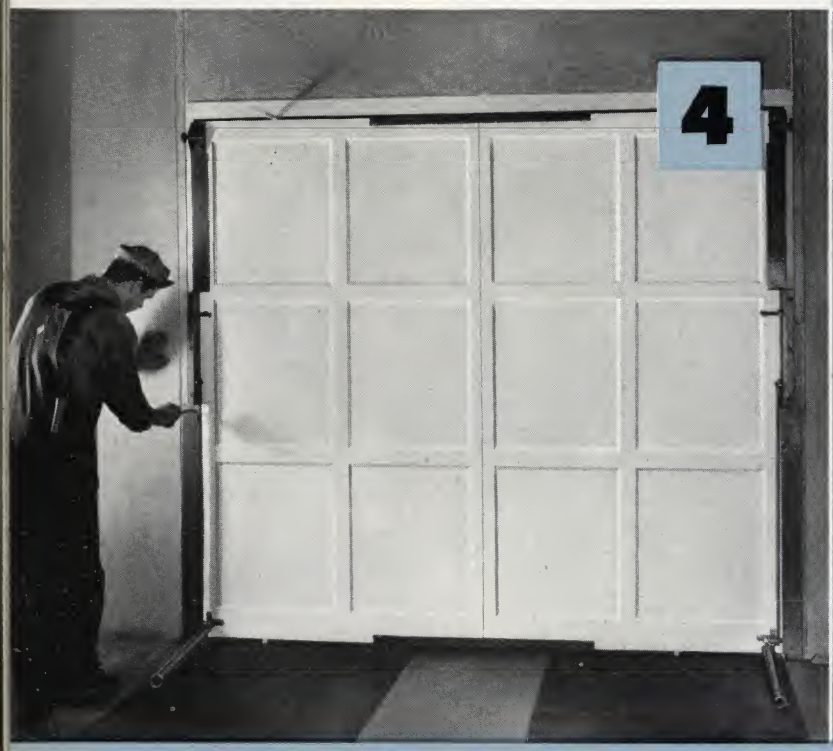
BILT WELL WOOD WORK

INSTALLING A CARR-DOR IS AS EASY AS IT LOOKS . . . EVERY PIECE OF HARDWARE FITS AND EACH PART IS READILY LOCATED

You don't need a rule to measure distances to locate the hardware. The weatherstrip plates are stamped to automatically establish projections. Other parts are located by following up the applications of parts in consecutive order. For instance, the arm and spring assembly is placed directly under the top weatherstrip plate; and below the angle iron the bottom weatherstrip is installed. In much the same way the arm brackets are located on the door. Please read the following references to the photographic reproductions on these pages and visualize for yourself the simplicity and ease with which a Carr-dor can be installed in your garage.



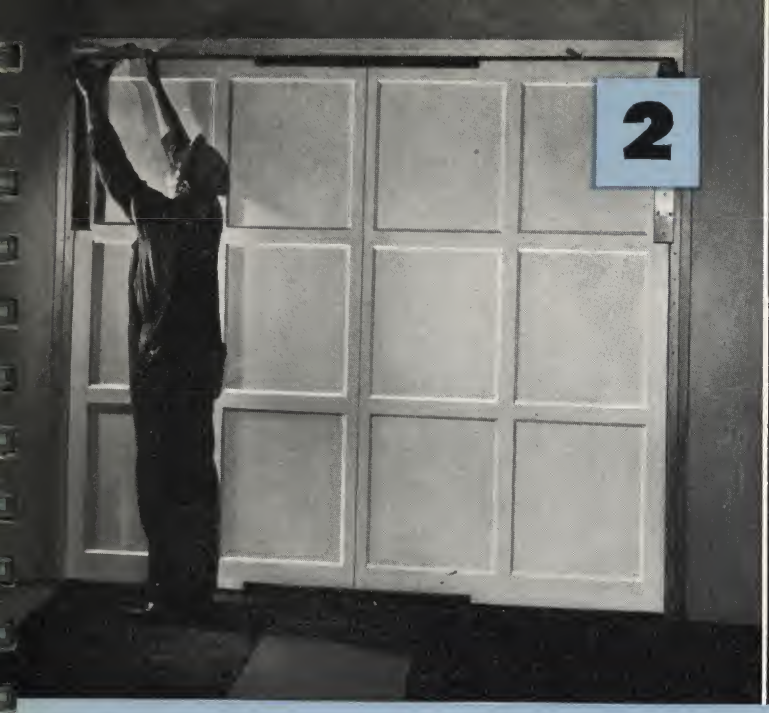
The Carr-dor is furnished in two sections and wh assembled the size is 7′-11¼″ x 6′-11″. This is pre-fit size and is the proper allowance for an 8′ x opening in the garage. The above illustration sho the two sections being joined with the small angle iro



The bottom weatherstrip is now being attached directly under the arm and spring assembly. This also projects ¾″ into the opening. It is all very simple because the placing of one part is governed by the other in the smooth flowing installation.



In this illustration the tracks are being hung by f placing the track over the roller which is attached to door. The punch straps which you see in the ma hand are furnished and a bracket is formed on ea side to brace the track.





The roller brackets and the upper weatherstrip having been applied, the garage door is placed in the opening and wedged. From here on all the attaching of hardware is done from inside. It is not necessary to have any other means of access to the garage while attaching the hardware.

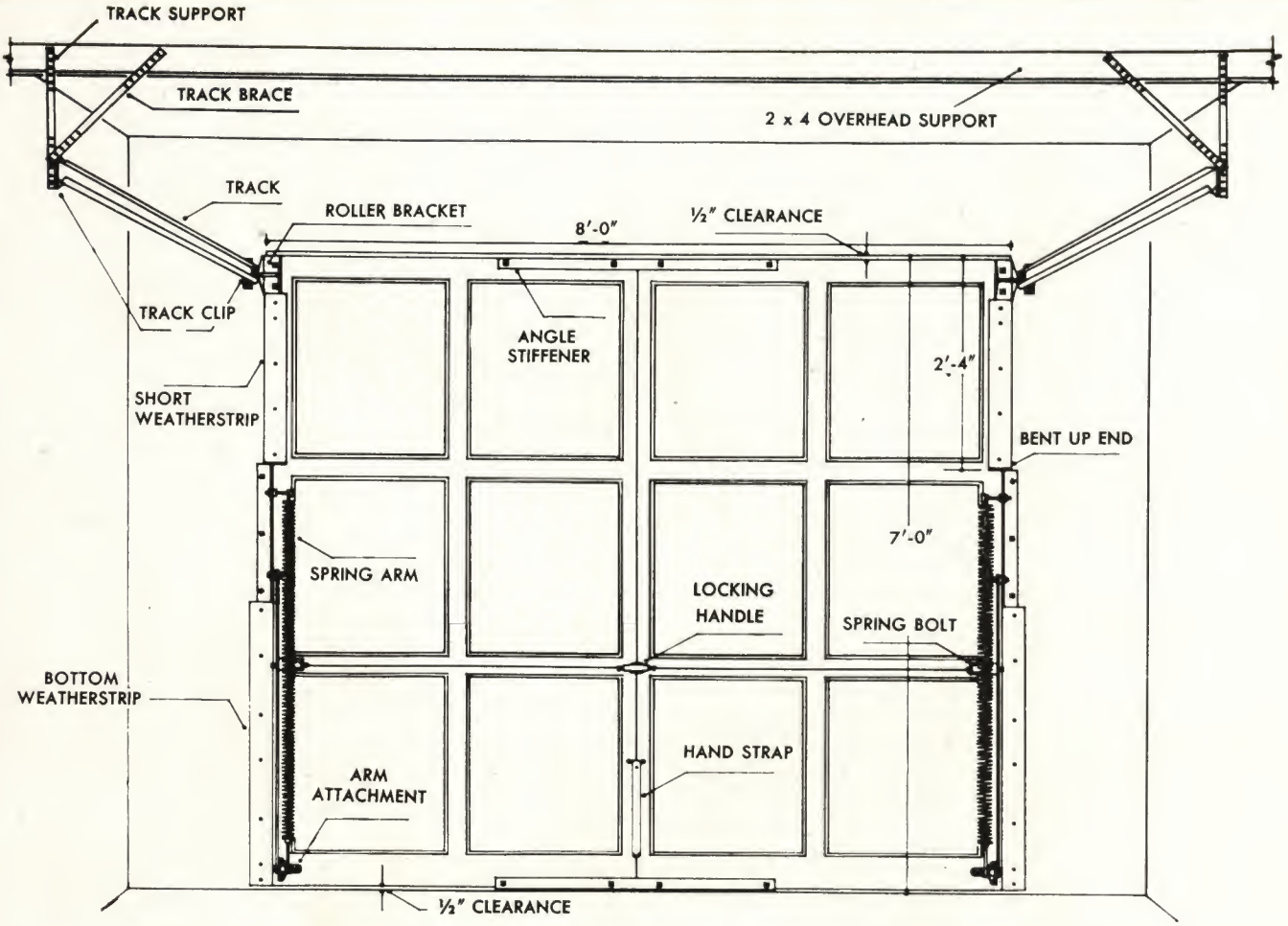
The angle iron of arm and spring assembly is being applied to the jambs allowing it to project ¾″ into the opening and directly under the upper weatherstrip. On the left the bolts are attached to the arm assembly at the bottom of the door.



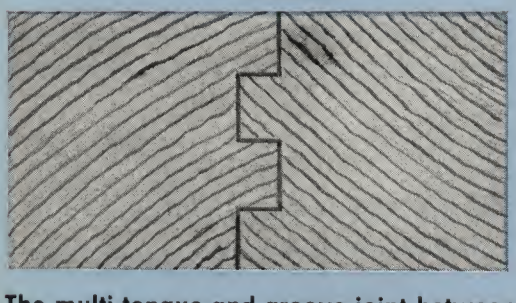


The wedges may now be removed and the door opened. The spring is being attached by hooking over the head of the bolts in the angle iron of the arm and spring assembly.

The installation being completed with exception of a few items to be attached, the hand strap, spring bolt catches, and locking handle are now being placed. A complete set of instruction sheets is in the packge with the hardware.



BILT-WELL WOOD WORK



The multi-tongue and groove joint between the two sections of the Carr-dor.

SPECIFICATIONS

The Carr-dor consists of all hardware, and the door is in two sections which when joined make a prefitted door with proper allowance for an 8′-0″ x 7′-0″ opening. The door is 1⅜″ thick with 3-ply laminated fir panels. It is assembled with hardwood dowels ⅝″ dia. glue cell. The door is bored for locating roller brackets and angle iron of arm assemblies. The door weighs approximately 82 pounds, and the hardware approximately 52 pounds.

BILT WELL
WOOD WORK



Bilt-Well

INTERIOR DOORS

Can you imagine a house without doors? No privacy . . . no comfort. Bilt-Well Doors play an important role in the home . . . they add a decorative touch to interiors with their rich appearance . . . they are substantial and an outstanding example of modern craftsmanship.

A.I.A. File Number 19-E-12



Bilt-Well Doors

BW-3268 BW-3269

A beautiful Colonial Door available with different width lock rails. For example: You may choose BW-3268 if you prefer the wider lock rail or by specifying BW-3269 you may have the same door with a narrow lock rail.

Manufactured of Ponderosa Pine

Raised Panels 9/16" thick.

BW-3268—Dimensions of component parts:

Stiles and Top Rail	**4 1/4"**	**Face**
Bottom Rail	**8 5/16"**	**"**
Lock Rail	**8 3/4"**	**"**
Muntins	**3"**	**"**

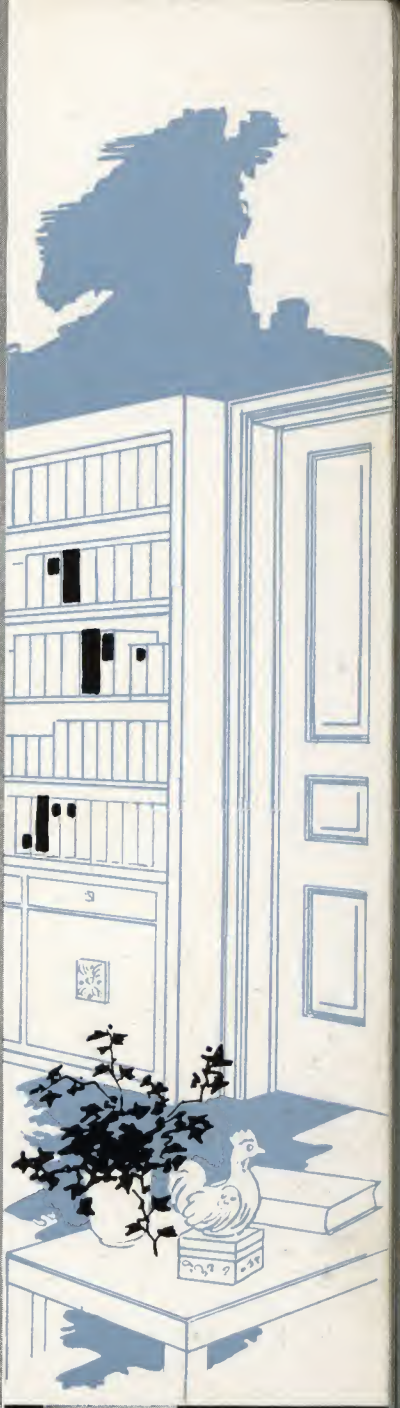
BW-3269—Dimensions of component parts:

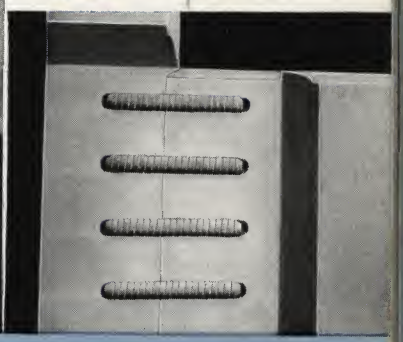
Stiles and Top Rail	**4 1/4"**	**Face**
Bottom Rail	**9 5/16"**	**"**
Lock Rail	**7 1/8"**	**"**
Muntins	**3"**	**"**

BILT WELL WOOD WORK

COPYRIGHTED 1946







Bilt-Well Doors BW-3272

This design is similar to those in the nationally known Colonial Village at Williamsburg, Virginia. Notice the small panels are in the center, thus giving the door individuality.

Manufactured of Ponderosa Pine

Raised panels 9/16" thick.

BW-3272—Component parts:

Stiles and Top Rail	4¼" Face
Bottom Rail	9 5/16" "
Lock Rail	7⅛" "
Muntins	3" "

BILT-WELL CORNER CONSTRUCTION

The great strength of Bilt-Well Doors is revealed in this photograph. The Giant (5/8") Dowels have a firm grip on the stiles and on the rail, to which add the adhesion of water-resistant glue.





Bilt-Well Doors

B W-3280 B W-3282

For practical, serviceable doors choose one of these two designs, long popular and still very much in demand today. Their fine proportions lend them a quaint beauty which fits many types of architectural treatments.

Manufactured of Ponderosa Pine

Raised panels 9/16" thick.



EXTRA THICK PANELS 9/16"

A Door can be no better than its panels. Bilt-Well is one of the few door manufacturers to adopt 9/16" raised panels. The moulding shown is the standard ovolo sticking used throughout Bilt-Well Doors.



BILT WELL WOOD WORK

REG. U.S. PAT. OFF.



BW-3280—Dimensions of component parts:

Stiles and Top Rail	$4\frac{1}{4}''$ Face
Bottom Rail	$9\frac{5}{16}''$ "
Lock Rail	$7\frac{1}{8}''$ "
Muntins	$3\frac{13}{16}''$ "

BW-3282—Dimensions of component parts:

Stiles and Top Rail	$4\frac{1}{4}''$ Face
Bottom Rail	$9\frac{5}{16}''$ "
Cross Rails	$3\frac{13}{16}''$ "



Bilt-Well Doors

B W-3294 B W-3314

These interior doors of beauty and distinction are desired for their unusually good harmony with present day furnishings. They are well constructed of the best materials obtainable; and like all Bilt-Well Doors are inspected before leaving the factory.

Manufactured of Ponderosa Pine

Laminated flat panels

BW-3294—Dimensions of component parts:

Stiles and Top Rail	**5″ Face**
Bottom Rail	**11 1/16″ "**

BW-3314—Dimensions of component parts:

Stiles and Top Rail	**4 1/4″ Face**
Lock Rail	**7 1/8″ "**
Bottom Rail	**9 5/16″ "**

BILT WELL WOOD WORK





GIANT DOWELS

Spiral-glue-cell Dowels . . . The glue on a plain, round dowel is forced from the surface because it has no place to lodge; whereas, in the case of the Bilt-Well Dowel the glue remains in the spiral glue cells when inserted into the boring.



BILT-WELL WOOD WORK
REG. U. S. PAT. OFF.

Bilt-Well Doors BW-3318

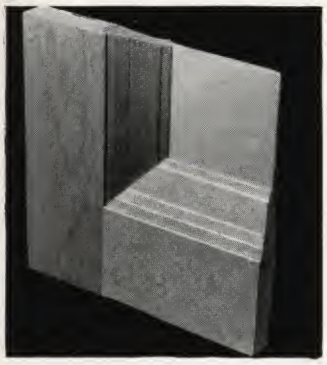
Exceptional care has been taken in making up these designs, so that they will harmonize particularly well with the most popular household furnishings of recent years.

Manufactured of Ponderosa Pine

Laminated flat panels

BW-3318—Dimensions of component parts

Stiles and Top Rail	4¼" Fac
Bottom Rail	9¾" "



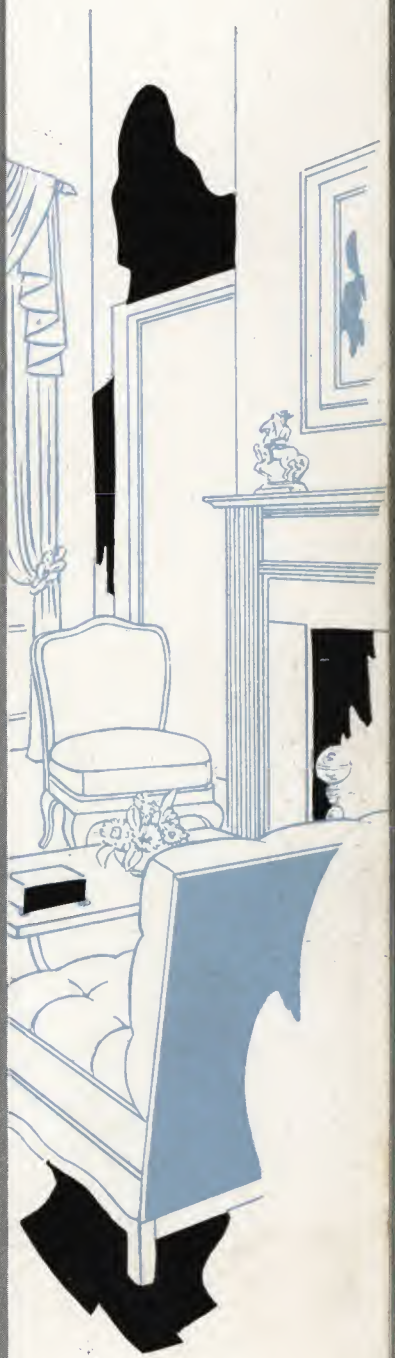
INTEGRAL MOULDED INSERT

The mould and insert frame are one solid piece of wood. Tongue and groove seams where the insert frame and outer rim of the door are joined add unusual strength and durability. No nails, no applied moulding to jar loose; instead, a substantial, attractive appearing inset panel door.

Bilt-Well Doors BW-3332

A Bilt-Well flush-type door especially desirable for homes, apartments, etc. Many beautiful modern effects in decorating can be planned around this attractive door.





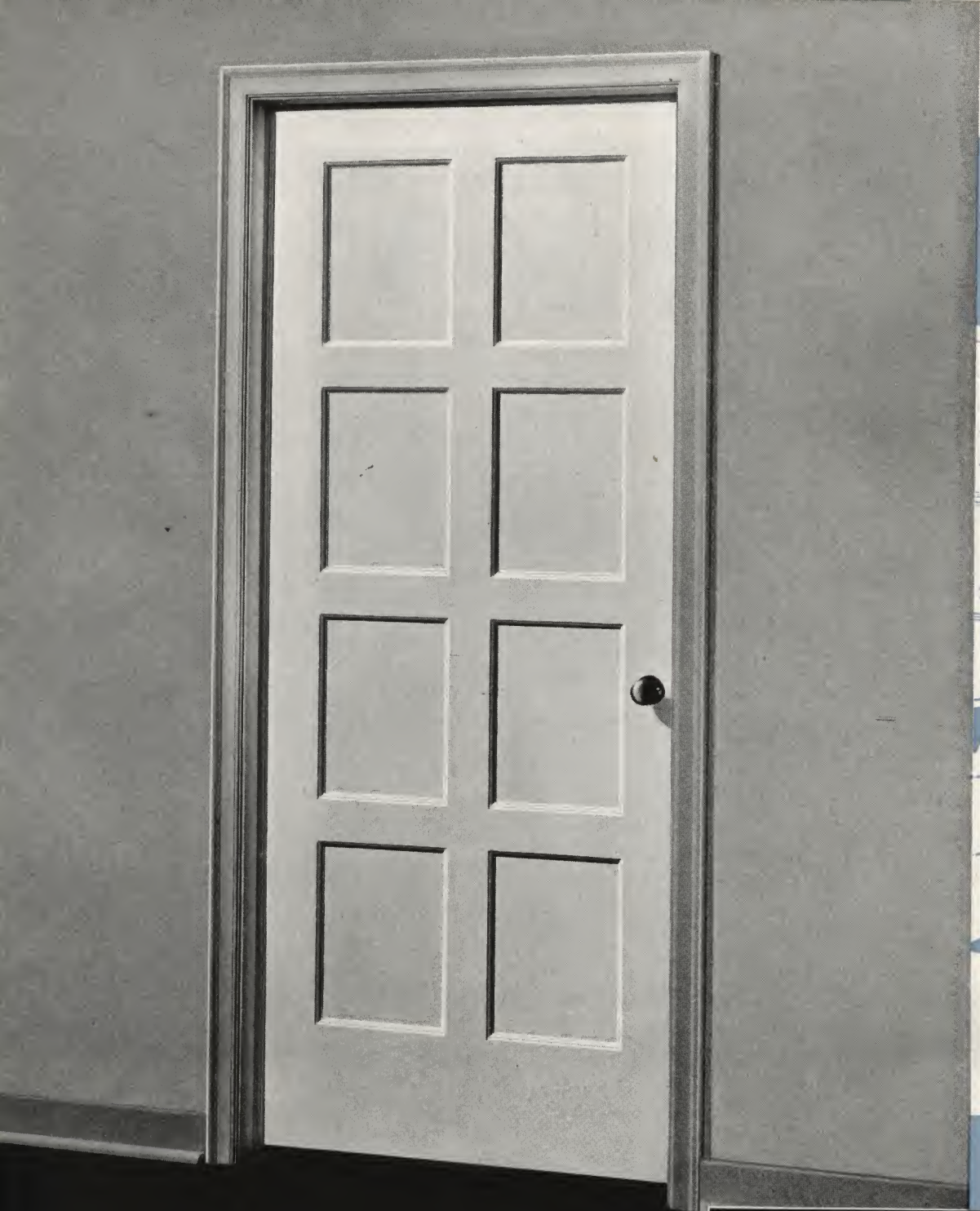
BILT WELL WOOD WORK
REG. U. S. PAT. OFF.

Bilt-Well Doors BW-3342

Mirror Doors are very convenient accessories for homes and apartments, and unlike stationary mirrors can be turned to a desirable angle for the best position according to the direction of the light.

Any type of interior Bilt-Well Door that you choose can be furnished with a mirror. A moulded wood strip is used to attach the mirror to the surface of the door.







Bilt-Well Doors BW-3350

Here is a door of unique design. Frequently selected for the English type of home, but a design that is pleasing with many other types of architecture. The network of rails provides unusual rigidity and certainly results in a door of splendid durability.

Manufactured of Ponderosa Pine

Laminated flat panels

BW-3350—Dimensions of component parts:

Stiles and Top Rail	$4\frac{1}{4}$" **Face**
Bottom Rail	$9\frac{5}{16}$" "
Muntins & Cross Rails	$3\frac{1}{8}$" "



BILT-WELL WOOD WORK
REG. U.S. PAT. OFF.

Bilt-Well Doors

BW-3403 BW-3405

Bilt-Well French Doors are a favorite method of finishing large openings. Large glass areas admit natural sunlight and tend to make the room appear more spacious. They are practical for closing off rooms to prevent cold drafts.

Made of Ponderosa Pine

BW-3403 and BW-3405—Component parts:

Stiles and Top Rail	**$4\frac{1}{4}$" Face**
Bottom Rail	**$9\frac{5}{16}$" "**





THE CREATION OF A BILT-WELL DOOR

Here are the principal operations in manufacturing Bilt-Well Doors. This is, however, only a brief resumé of the scientific methods and highly skilled workmanship that go into producing a fine product.



3. The cutter in this enlarged view is shaping the ends of door rails—an operation called tenoning. This is one in which precision is an absolute must.



Bilt-Well Doors BW-3407

Bilt-Well French Doors have well proportioned lights separated by narrow division bars and may be used singly as well as in pairs. These beautiful doors give the entire home or apartment a decorative touch impossible to achieve by any other means.

Manufactured of Ponderosa Pine

BW-3407—Dimensions of component parts:

Stiles and Top Rail	4¼" Face
Bottom Rail	9 5/16" "



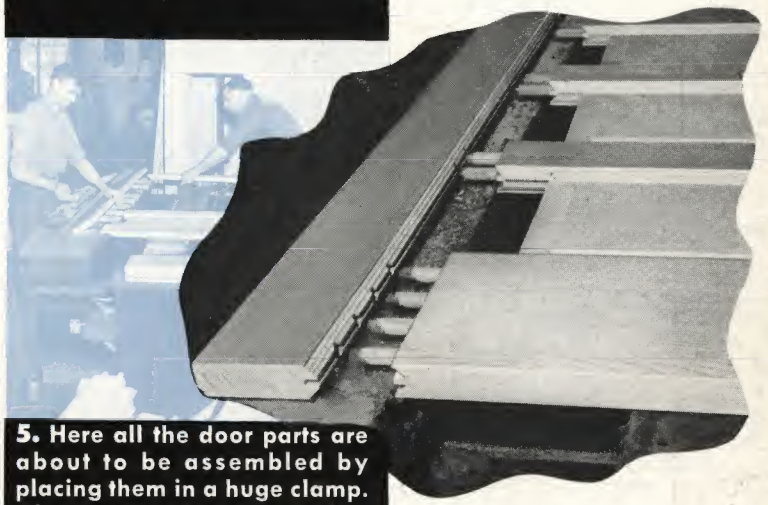
. The operation of boring for owels. All dowel holes are ored at once, assuring greater ccuracy, absolute uniformity, ll of which adds up to an ex- ellent fit.



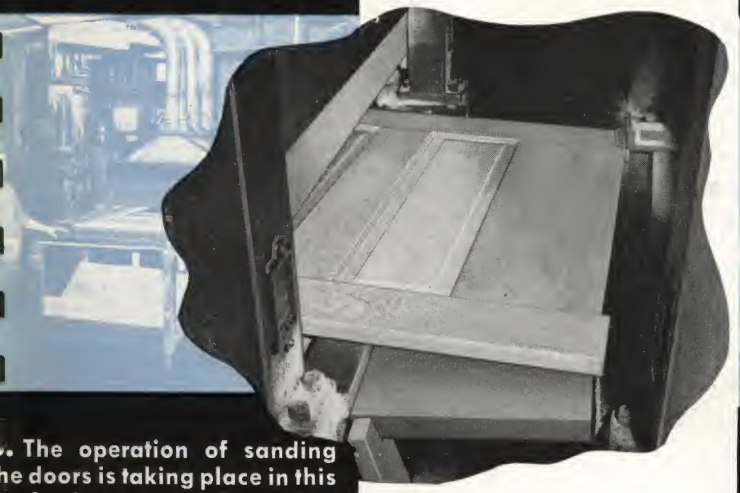
2. "Dressing up" the stiles with a graceful moulded edge, cutting a groove for panels, and smoothing the outer edge of the door stiles in one operation.



. In this photograph the glue being applied to the giant owels which are then driven to the rails by this "three in ne" machine. Dowels are riven in both ends of the ils in this operation.



5. Here all the door parts are about to be assembled by placing them in a huge clamp. Glue has just been applied to the giant dowels and the clamp is set into motion. The dowels will enter the dowel holes in the stiles and after the proper pressure is exerted the assembly will then be complete.



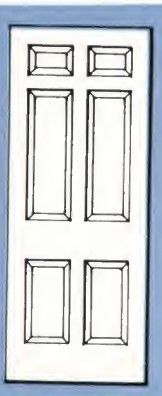
. The operation of sanding he doors is taking place in this ual photograph. From this lose-up view it can be seen at an excellent sanding and olishing operation is being one.



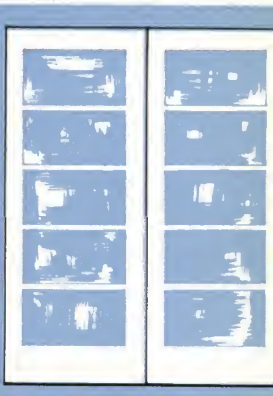
7. Each door is now carefully inspected and the necessary "touch-up" is done immediately. All parts are carefully handled in the processing; thus little or no "touch-up" is necessary.

SUMMARY OF *Bilt-Well* INTERIOR DOORS

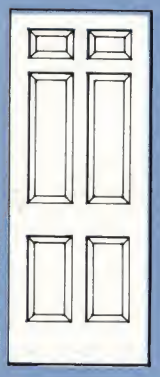
This array of attractive designs offers Homeowners doors of exceptional beauty. Each design adds a note of charm to home interiors and bespeaks genuine hospitality from which furnishings borrow much of their complimentary qualities.



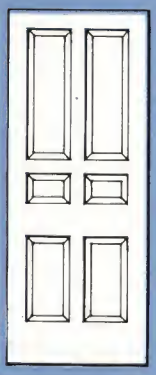
BW-3268
See Page 2



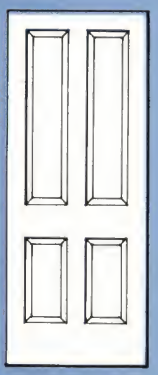
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See Page 12



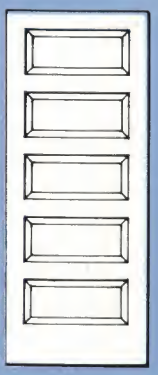
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See Page 2



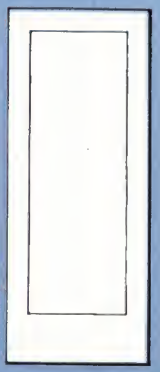
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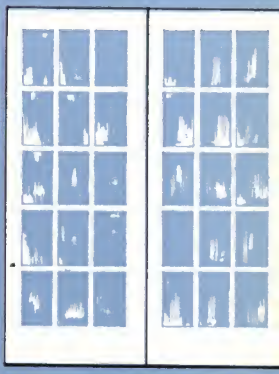
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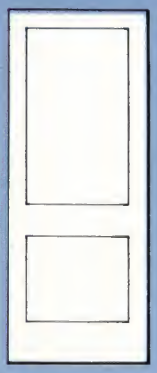
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See Page 5



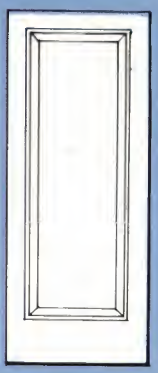
BW-3294
See Page 6



BW-3405
See Page 13



BW-3314
See Page 7



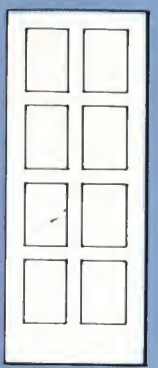
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See Page 8



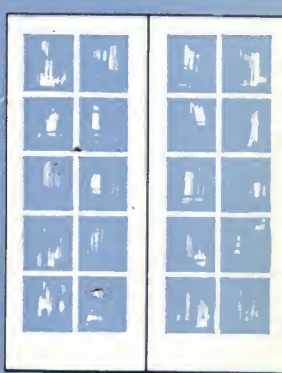
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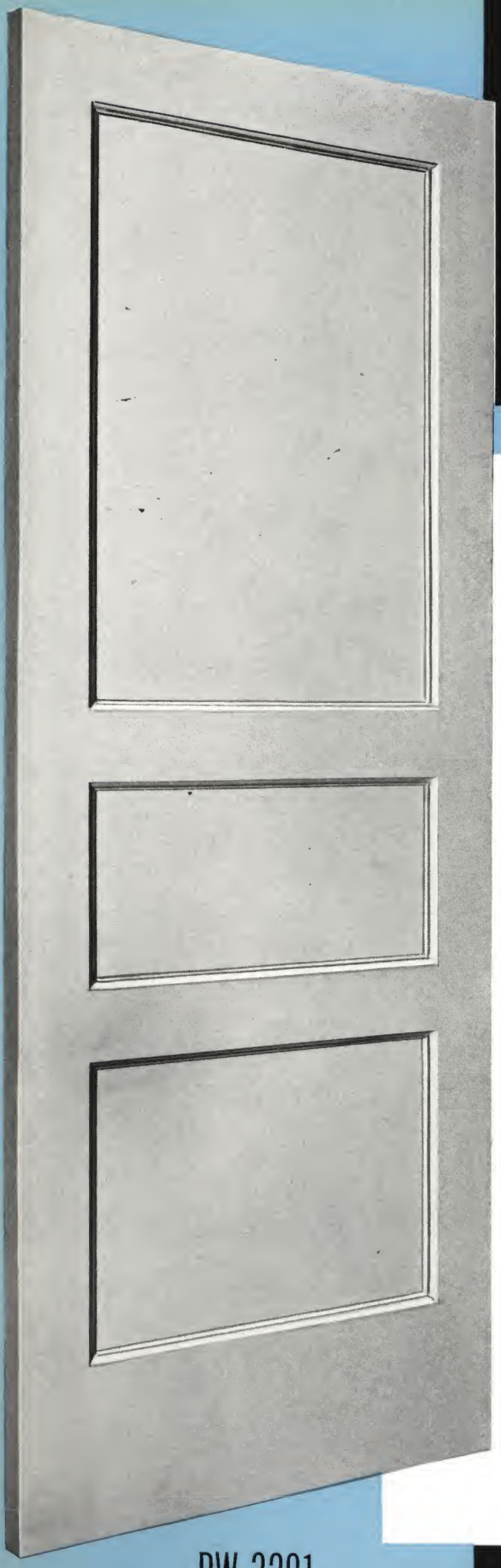
BW-3342
See Page 10



BW-3350
See Page 11



BW-3407
See Page 14



Bilt-Well DOORS with Tempered Presdwood Panels



Bilt-Well Doors with Masonite S2S Tempered Presdwood Panels have been on the market for several years. The thousands of doors sold in the interim have proved Masonite S2S Tempered Presdwood an ideal panel for a door because . . .

. . . of its excellent surface, and adherent quality for paint and enamel;

. . . its hard, smooth surface, which by its special process of manufacture, will not check, nor will its fibers raise.

These various advantages claimed at the time of the introduction of Bilt-Well Doors with Masonite S2S Tempered Presdwood Panels have been fully substantiated.

This attractive door is being furnished with Ponderosa Pine stiles and rails and Masonite S2S Tempered Presdwood Panels.

Dimensions of component parts:
Stiles & Top Rail, 4¼″ Face
Cross Rails, $3\frac{13}{16}$″ Face
Bottom Rails, $9\frac{5}{16}$″ Face

A.I.A. File Number 19-E-12

BW-3281

BILT-WELL WOOD WORK
REG U. S. PAT. OFF.



The horizontal design of this beautiful door harmonizes with the popular windows that have horizontal divisions. This streamlined effect is pleasing to the eye and complimentary to modern-styled furnishings in the home. Masonite Tempered Presdwood as used in Bilt-Well Doors is identical with that used for the interiors of modern streamlined trains, ships, and planes. Its years of satisfying service for this and similar uses proves its quality, endurance, and suitability for door panels.

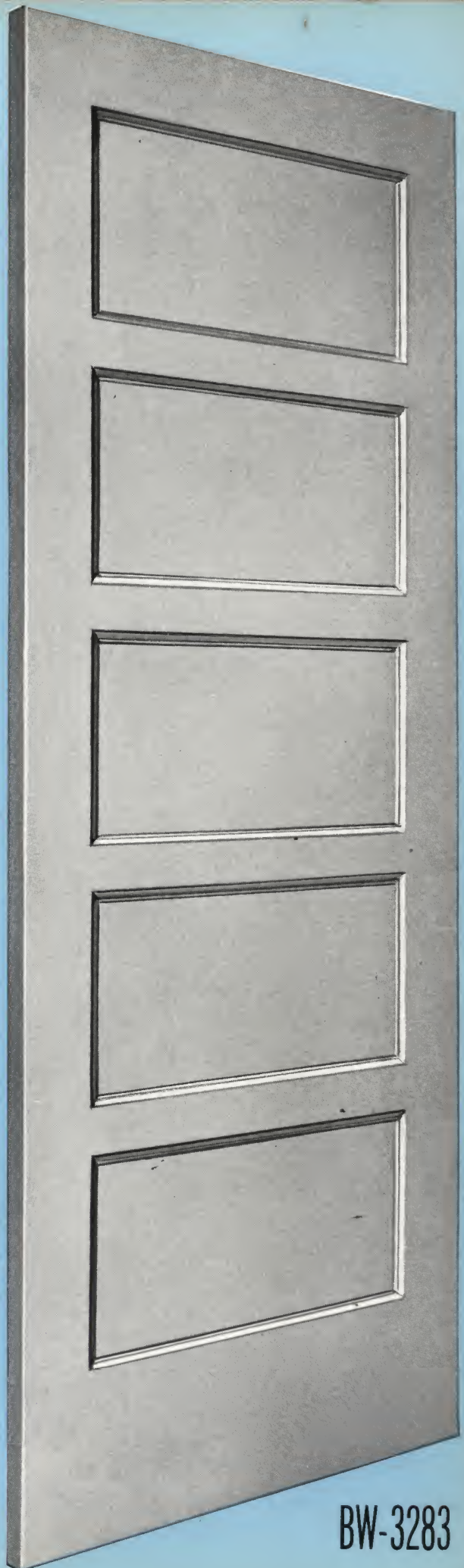
BW-3283 is being furnished with Ponderosa Pine stiles and rails and Masonite S2S Tempered Presdwood Panels.

Dimensions of component parts:

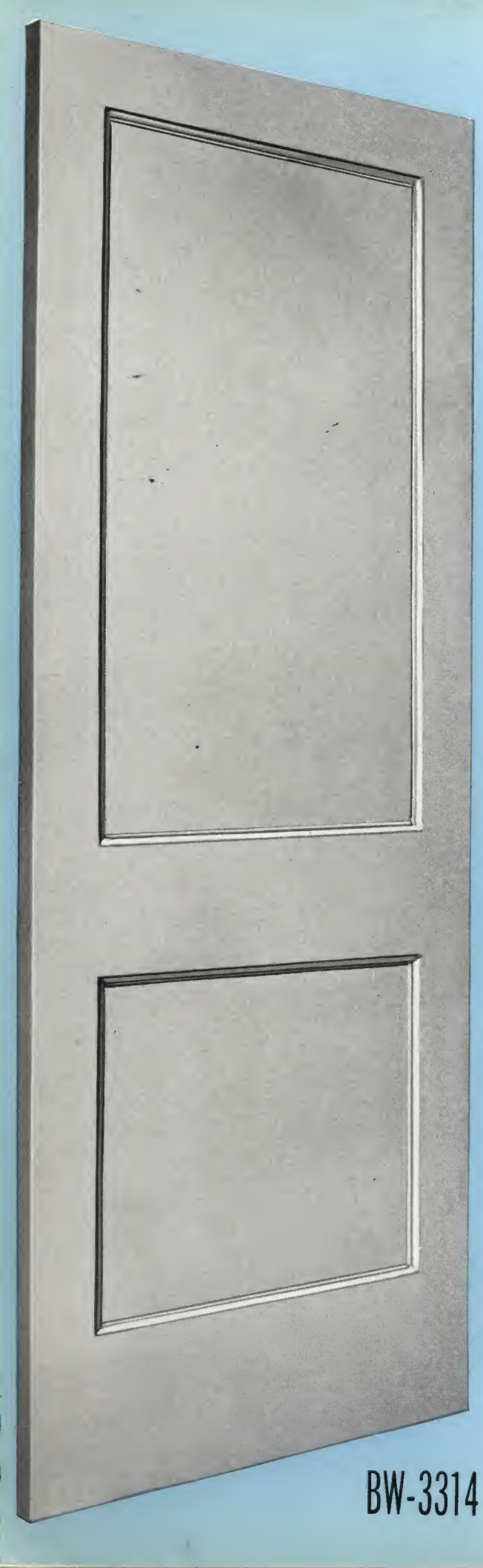
Stiles & Top Rail, 4¼″ Face

Cross Rails, 2¼″ Face

Bottom Rails, 9 5/16″ Face



BW-3283





Masonite S2S Tempered Presdwood Panels offer the same smooth surface for decorating as Ponderosa Pine. These Panels definitely will not check nor will the fibers raise . . . an advantage found only in some higher priced hardwood panels. Most woodwork in the home today is enameled, and this is one of the principal reasons Bilt-Well Doors with Masonite S2S Tempered Presdwood Panels are the logical choice for today's modern home.

BW-3314

This is the ever-popular two-panel door with Masonite S2S Tempered Presdwood Panels and Ponderosa Pine stiles and rails. This favorite of builders everywhere is always enriching to rooms in which it is used.

Dimensions of component parts:
Stiles & Top Rail, 4¼″ Face
Lock Rail, 7⅛″ Face
Bottom Rail, 9$\frac{5}{16}$″ Face

SCIENTIFICALLY PRODUCED TO SERVE WELL—LONGER

Bilt-Well Doors are carefully machined, sturdily constructed, and assembled under hydraulic pressure. Corners are jointed with heavy ⅝" diameter spiral glue cell dowels with a high water-resistant glue.

Over eighty years of manufacturing "know how" has contributed to better door making.

The opportunity for decorative effects on Masonite Presdwood Panels of Bilt-Well Doors in unlimited. There are a variety of effects that can be accomplished. One is to stain the wood parts and enamel the panels. Another is to stain the wood parts to match the color of the Masonite Presdwood Panels, producing a color similar to walnut. Any of these decorative ideas can easily be accomplished at a low cost.

*The Masonite S2S Tempered Presdwood Panel is a 100% wood product, manufactured entirely of exploded wood fiber. The process starts by exploding clean wood chips into ligno-cellulose fiber under high pressure steam without either damaging the cellulose fiber or removing the lignin, which is nature's binding agent in the tree. The exploding process is a physical separation of the fiber, no chemicals being used.

The ligno-cellulose fiber, which can be controlled in varying degrees of plasticity, is felted and pressed into board form in flatbed heated hydraulic presses under different heats and pressures. No binder is added, the lignin being utilized to weld the fiber together.

Remember Masonite S2S Tempered Presdwood Panel is a 100% wood product.

*Masonite S2S Tempered Presdwood is the product of Masonite Corporation, Chicago, Illinois



BILT-WELL CUPBOARD DOORS

Bilt-Well Cupboard Doors with Masonite S2S Tempered Presdwood Panels, are also available. The stiles and rails are made of Ponderosa Pine.

BILT-WELL WOOD WORK

A.I.A. File Number 35-C-12

BILT WELL
WOOD WORK
REG. U. S. PAT. OFF

Bilt-Well NU-STYLE Unit KITCHEN CABINETS



YOUR NEW KITCHEN . . .

. . . . . is the most important room in the house.

It is the very heart of the home and life revolves around it. It is the Workshop and the Office for most homemakers.

It should be a joyous place in which to live and work—a convenient place with modern Cabinets and other appliances which will lighten the daily task of keeping house.

Such a kitchen can be yours . . .

Bilt-Well
NU-STYLE
Unit
KITCHEN CABINETS

Copyright 1946.



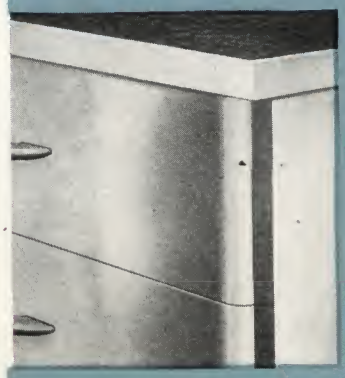
BILT WELL
WOOD WORK
REG. U. S. PAT. OFF

The color effect of the kitchen can be anything from brightly exhilarating to quietly restful.

NU-STYLE CABINETS . . .

set new styles in kitchen beauty

By utilizing the basic elements of design and applying them to the problems of time and labor saving, along with working area and storage requirements, our expert designers have, in Nu-Style Kitchen Cabinets, been able to achieve a unique success in combining the practical with the beautiful. Their sheer simple lines have created a new trend in kitchen cabinet designing, not only because the "streamlining" enhances the decorative effect, but because it eliminates many undesirable features previously common in the surface appearance of most kitchen cabinets. The smooth, sleek surfaces make cleaning an easy matter. The cabinets are made of specially treated Ponderosa Pine, adding greatly to the usefulness and the lasting qualities of these cabinets.



SMOOTH STYLING

. . . in perfect harmony with modern styling of ranges and refrigerators. Easy to clean surfaces.

TRIM MODERN LINES are a mark of distinction

The science applied in designing Nu-Style Cabinets is readily detected upon examining features which were undreamed of until they were introduced by Bilt-Well's designers. Such features as the easy-to-reach door and drawer handles which eliminate stooping and stretching; and the introduction of functional styling in cabinets with the smooth, flush effect of the drawers and the doors. These are but a few of the many fine features to be found in Nu-Style Cabinets that can only be appreciated in actual use.

The proper selection and arrangement of the individual basic units, each supplied in a variety of sizes, provide the solution to any kitchen planning problem. Each unit contains an abundance of cupboard space along with convenient work areas. Streamline styling blends perfectly with the new kitchen ranges and refrigerators. Being made of Ponderosa Pine assures ease of installation and long life for the cabinets.





BILT WELL WOOD WORK

REG. U. S. PAT. OFF.

Large kitchens or small, remodeled or newly built, of simple or irregular shape become a model for beauty if Nu-Style Cabinet units are installed.

UNITS TO FIT

any space or need or taste

Bilt-Well has an excellent method of furnishing Nu-Style Cabinets. It is an assembly of sectional units grouped side by side—as many or few as needed to accomplish the desired arrangement. Each unit is self-contained, but becomes an integral part of the completed assembly. The units are in graduated sizes, making it simple and easy to fit any space, need, or taste.



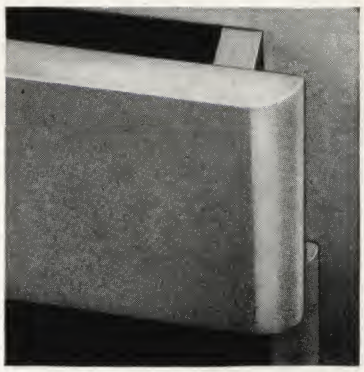
DOVETAILED DRAWER FRONTS

The dovetail can only be seen from the bottom—doesn't come up through the top—where it would detract from appearance.

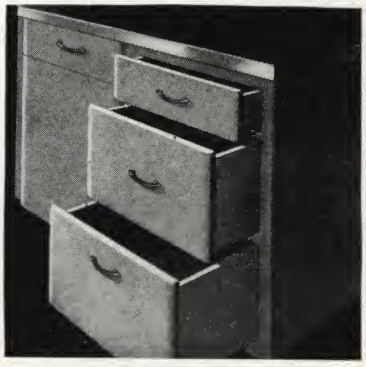




ONLY THE MOST EFFICIENT PLANNING AND MANUFACTURING METHODS COULD PRODUCE SUCH A FINE PRODUCT SO ECONOMICALLY



DUSTPROOF ENCLOSURE The drawers and doors overlap their openings and make the interior of the cabinets dustproof.



TWO DEEP DRAWERS Extra depth is provided in two drawers for those bulky articles.

You can adopt these arrangements or plan others. Nu-Style Cabinets offer hundreds of faultless kitchens.

QUICKLY AND EASILY INSTALLED

The installation of Nu-Style Kitchen Cabinets involves a minimum of time and labor. The upper cabinets are anchored (to the wall in a hanging manner) with screws through the back into the wall. The lower cabinets are placed on a built-up base and if desired the counter height can be raised or lowered simply by adjusting the height of the auxiliary base. This base is usually built of 1″ x 4″ lumber at the job and is recessed three inches to provide toe space. The counter top is generally covered with linoleum; also, we do not supply built-in upholstery seat shown. Your building material dealer will gladly discuss with you this part of the installation. Every step in the installation of Nu-Style Cabinets will be quickly and easily accomplished.



CORNER ANGLE UNITS

Utilize the corner space otherwise wasted. This is lower unit number 15 LA. For upper angle unit number 18 UA see page 16/N

BILT WELL WOOD WORK

REG U S PAT OFF







BROOM CLOSETS

You needn't stick the broom in the corner any more. There is also space for the vacuum cleaner, dust mops, etc.



STORAGE UNITS

Lack of storage space wastes time and money—not so when you have Nu-Style Kitchen Cabinets. There is a place for everything.



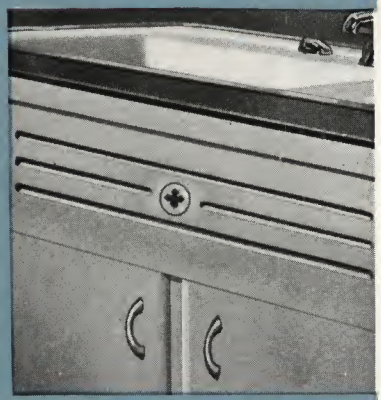
SINK FRONT

Space under sink is usable for additional storage of utensils. It is a handy place to keep soaps and cleansers, too.

Color can be the "magic formula" to transform the kitchen into something brilliant, soft and quiet, or sparkling and dramatic, depending on your own individual taste.

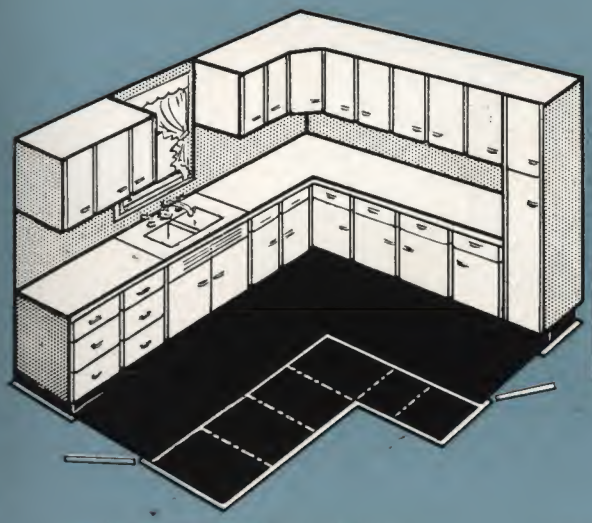
KITCHEN UTILITY AND CONVENIENCE

The outstanding designers who created the smart styling of Nu-Style Cabinets also contributed to the many convenient features which are exclusive with them. The problems having to do with kitchen efficiency and step-saving for the housewife, the problem of easy cabinet installation and of long trouble-free wear were all analyzed and considered when these cabinets were designed. Thus Nu-Style Cabinets incorporate beauty at its best, convenience at its peak, and quality at its finest, all at minimum cost. We do not supply the built-in upholstery seat illustrated. Your lumber dealer will obtain this elsewhere for you.

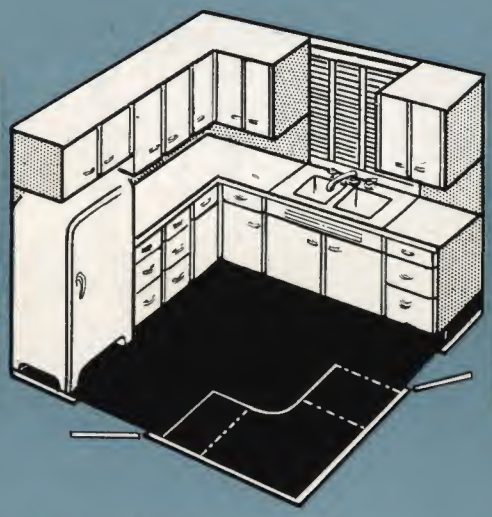


VENTILATOR

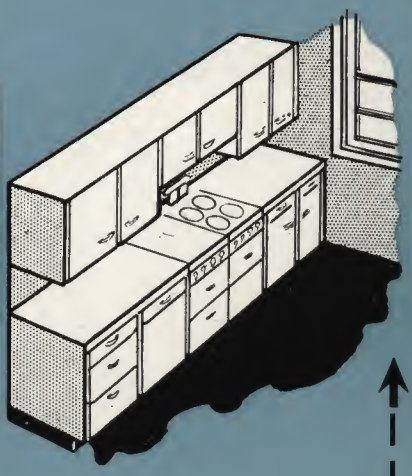
Proper ventilation under sink is assured with this streamlined vent in the cabinet front.



Is your kitchen "L" Shape? Then, here is the solution for arranging Bilt-Well Nu-Style Kitchen Cabinets.



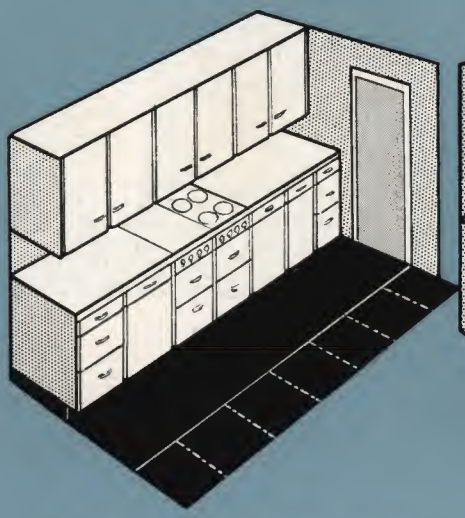
It's simple if your kitchen is square. The white lines on the floor indicate additional cabinets.



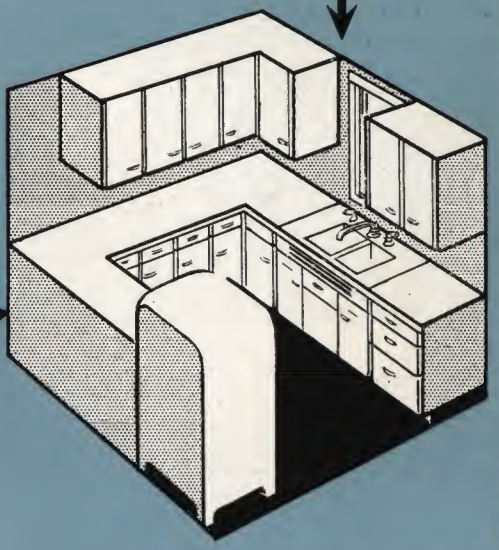
Nu-Style Cabinets on three walls makes a compact, convenient kitchen . . . Everything within reach.

EASILY ADAPTED

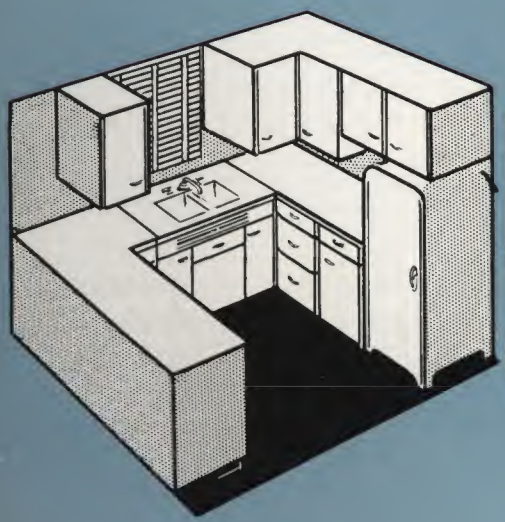
to fit any size or shape of kitchen



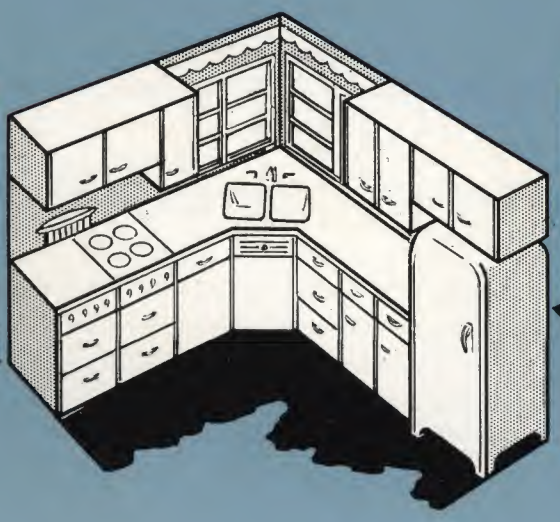
A rectangular kitchen makes an excellent layout when Nu-Style Cabinets are installed on the two long walls.



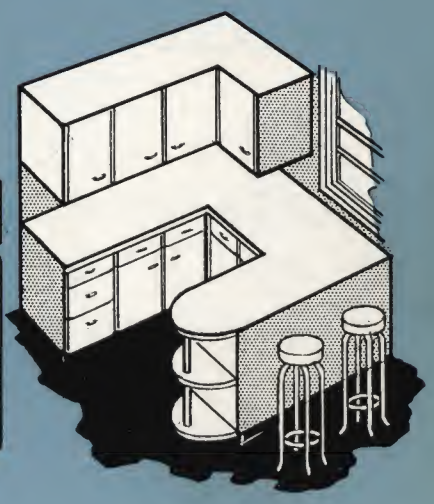
It's easy . . . Nu-Style Cabinets along one wall combining either stove or sink in the arrangement.



A "U" Shape Kitchen is a favorite. A few steps right or left to the refrigerator, sink, stove or utensils.



Does your kitchen lend itself to a corner window layout? Then you can adopt this attractive arrangement.



A "Snack Bar" by projecting the lower units. Otherwise, this is a typical layout of Nu-Style Cabinets.



DOOR CATCH

It isn't necessary to slam the door with this positive door catch. And, with one finger the catch is released.



COLOR AS YOU LIKE IT . . .

With the decorative trend in kitchens toward a choice of colors to reflect the personality of the housewife, the selection of the color scheme becomes a matter of individual taste. The cabinets, walls, floors, and ceilings, along with movable kitchen accessories, must all be considered as units of the completed color plan. All can be successfully worked together for the desired effect, anything from quiet harmony to vivid contrast. Nu-Style Kitchen Cabinets because of their pleasing proportions and their machine-smooth surfaces are particularly adaptable to color treatment.

CHANGE COLOR SCHEMES WHEN DESIRED

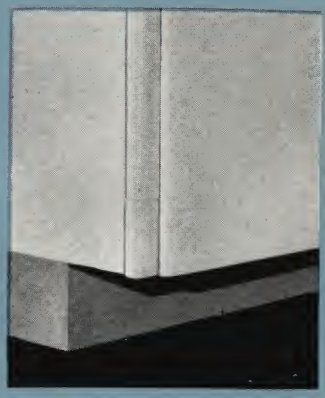
Bilt-Well Nu-Style Kitchen Cabinets offer flexibility in changing the color scheme to keep abreast with the trend of decorating, because they are of the basic material —"wood." You may like white gleaming kitchen cabinets today; however, in time to come the vogue in kitchen colors may suggest the cabinets in some other color. It is easy when you have wood cabinets. Your painter simply prepares the cabinets for refinishing and the color of your choice is applied.





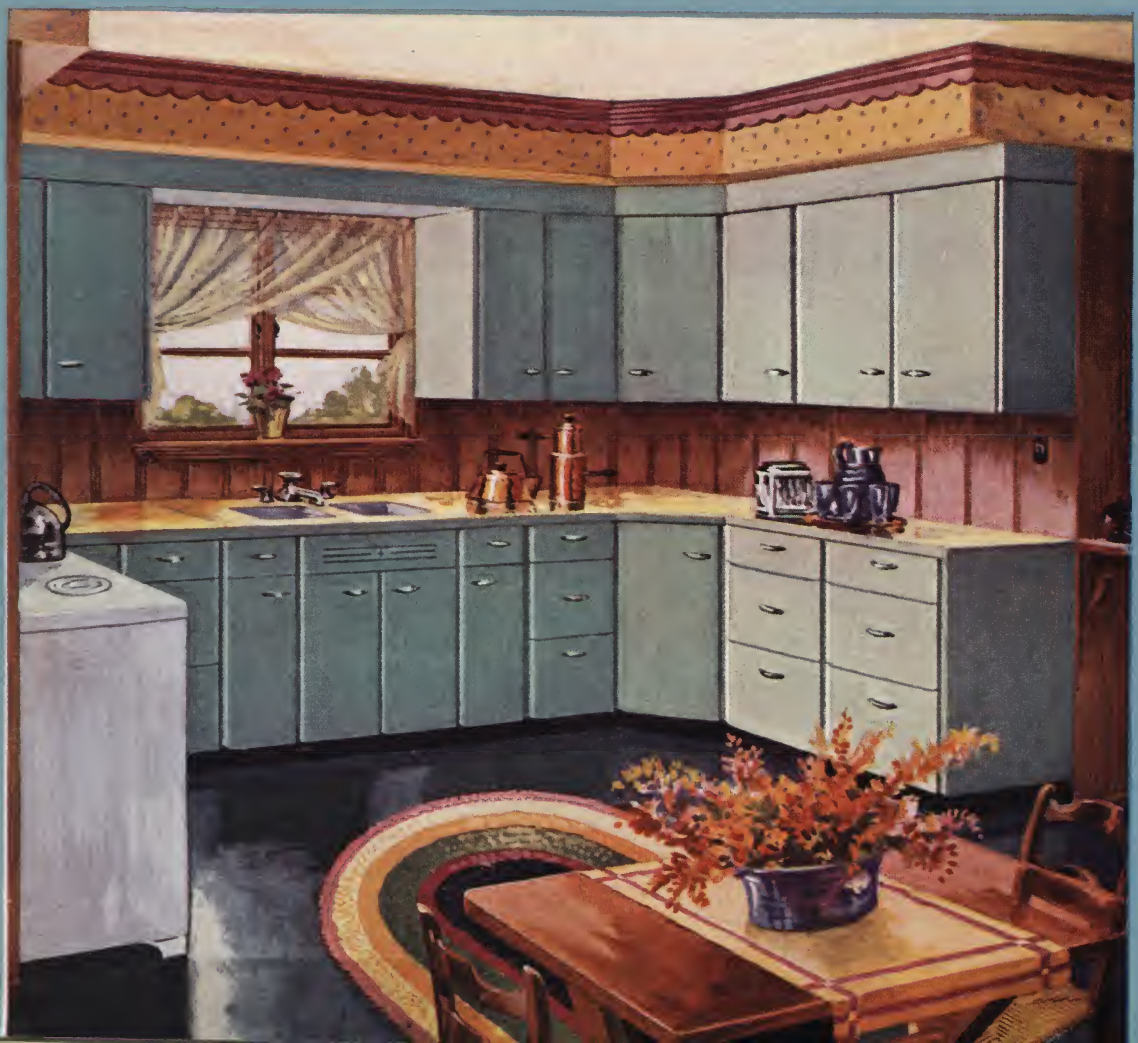
METAL HANDLES

The smart styling of the handles and the high lustre of the chromium accentuate the beauty of Bilt-Well Cabinets.



TOE SPACE

Correct posture while working is vital and the indentation in the base of the cabinets prevents scuffing and kicking the smooth surface.





BILT-WELL LABEL

The mark which identifies the genuine Bilt-Well Nu-Style Kitchen Cabinets.



REMODELING
the kitchen is easy with NU-STYLE CABINETS



BEFORE *and* AFTER

Modern beauty and practical convenience are easily and quickly obtained in any kitchen with Nu-Style wood cabinets. Any desired arrangement is practical with these individual units.

Your present kitchen can be transformed into one of beauty, convenience and efficiency without any major building changes or costly additions. The large number of basic cabinet units are all designed with specific uses in mind. Each unit is manufactured in many sizes, so it becomes a simple matter to fit these cabinets to any shape or size of room and also to satisfy any special kitchen requirement. A large percentage of the "Nu-Style" Cabinet Units sold in the past ten years were installed in kitchens of old homes. All illustrations in this booklet were selected for their adaptability to remodeling existing kitchens. Decide now to bring your kitchen up-to-date.

BILT-WELL WOOD WORK
REG. U. S. PAT. OFF.



BEFORE *and* **AFTER**





BEFORE *and* **AFTER**





BEFORE *and* **AFTER**



COMBINATIONS OF STANDARD UNITS FIT ANY KITCHEN NEED

With this method of furnishing kitchen cabinets in Sectional Units, the Architect, the Housewife and the Builder are permitted entire freedom of arrangement with the various types of units to obtain the greatest efficiency and utmost convenience.

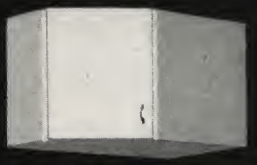
CEILING UNITS



24-C1½
21-C1½
18-C1½
15-C1½



42-C1½ 33-C1½
39-C1½ 30-C1½
36-C1½ 27-C1½



18-CA1½ ANGLE UNIT

UPPER UNITS



24-U
21-U
18-U
15-U



42-U 33-U
39-U 30-U
36-U 27-U



18-UA ANGLE UNIT

SINK FRONTS



36-DSF
33-DSF



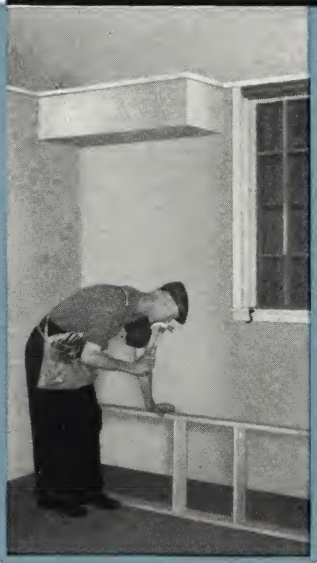
24-SF
Consists of Sink Front only
—No shelves.



48-SF 33-SF
42-SF 30-SF
36-SF 27-SF

INSTALLING

Bilt-Well Nu-Style Kitchen Cabinets are installed on the surface of the wall in the simple way illustrated in these photographs. It's as easy as it looks! It is possible to adjust the height of the counter space and the height of the upper units according to the individual's (housewife's) height.



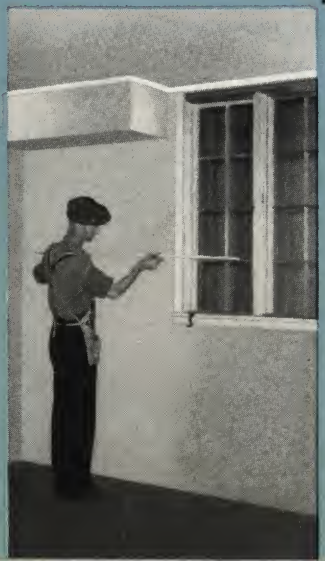
3

Place lower units directly on base and fasten them in position. Follow this procedure until your entire lower section is assembled.



1

Check available wall surface and mark the location of the units to determine the outcome before actually placing the cabinets.



2

Build a base of the desired height, placing the cross pieces directly under the standards of each cabinet.



4

Level base, taking up any uneven surface in the floor. This is important as cabinet doors and drawers will not give utmost satisfaction if the base isn't level.

LOWER UNITS



24-L-1
21-L-1
18-L-1
15-L-1



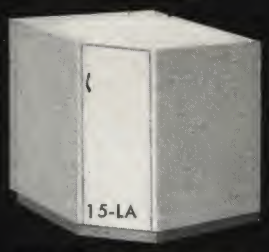
42-L-2
36-L-2
30-L-2



24-L-2
21-L-2
18-L-2
15-L-2



42-L-3
39-L-3
36-L-3
33-L-3
30-L-3
27-L-3



15-LA

ANGLE UNIT



STORAGE
18-S-1
18-S-2



BROOMS
21-B-1
21-B-2

NOTE: NUMBERS BEFORE THE LETTERS DETERMINE THE OVERALL WIDTH

DIMENSIONS:

Ceiling Units	1′-6″	high	1′-1¾″ deep
Upper "	2′-6½″	"	" "
Lower "	"	"	2′-0¾″ "

NOTE: Exclusive of Ledge and Auxiliary Base.

Storage Units S-1	6′-8″	high	1′-1¾″ deep
" " S-2	"	"	2′-0¾″ "
Broom " B-1	"	"	1′-1¾″ "
" " B-2	"	"	2′-0¾″ "
Angle Unit 18-CA 1½	extends		2′-1¾″ *along each wall out from the corner*
" " 18-UA	extends		2′-1¾″ *along each wall out from the corner*
" " 15-L1	extends		2′-10⅝″ *along each wall out from the corner*

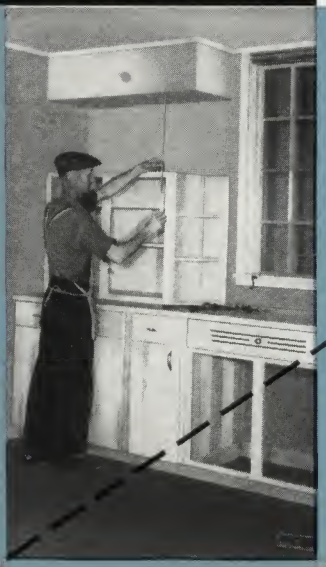
All lower Nu-Style Units conform in depth with refrigerators and ranges. This is important because with this uniform depth a straight line assembly results in an attractive and "easy to clean" arrangement. In addition, the uniformity of depth provides the much-needed storage space.

A similar generous depth will be found in the Upper Units as ample space is provided for stacking large dinner plates.



6

To install upper units locate the studs in the wall and mark their location, after which measure the distance down and over and elevate the cabinet.



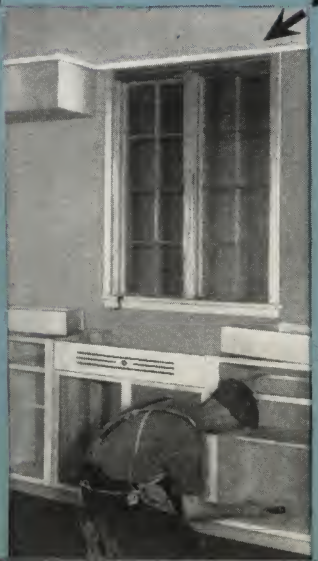
8

Nail or screw the units together through the standards. These can be drawn up tightly so that all the joints are closed.



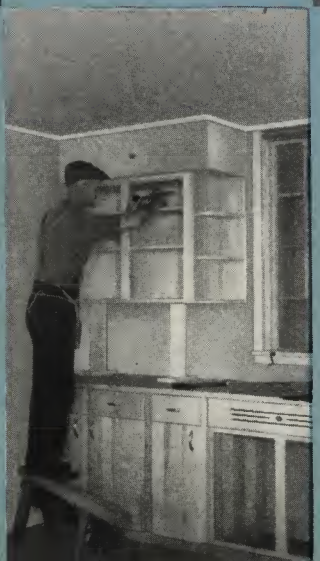
5

Place the ledge over the units and screw through pre-bored cleats from the under side into ledge.



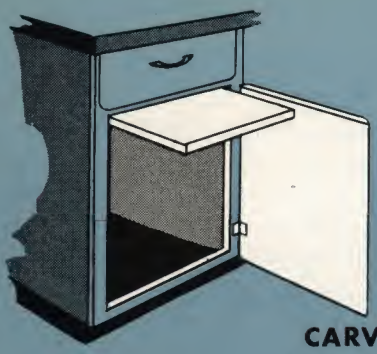
7

Place screws through the back of the cabinet into the wall. Be sure to use plywood furring strip provided on the back of the upper units for proper anchorage.



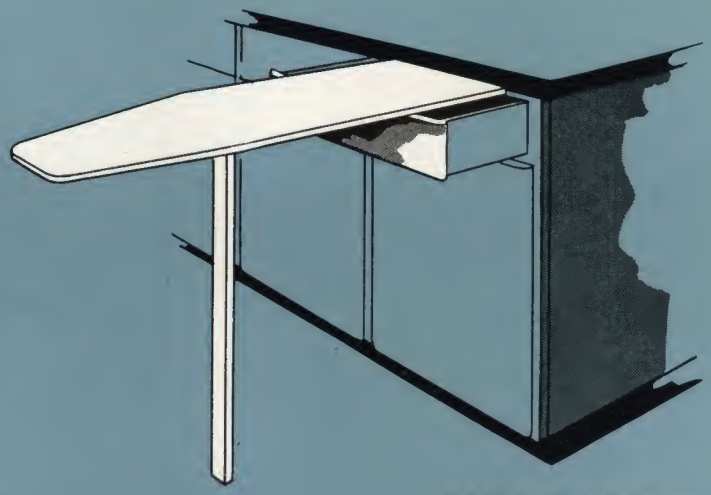
9

The location of the hinges can now be determined and the doors hung on the cabinets. Be sure to read the instructions in the carton giving the location of the handles.



CARVING BOARD IN BACK OF DOOR

Supplied for any lower unit 15 to 24 L-1, 30 to 42 L-2, and 27 to 42 L-3 units. Removable to be placed on counter for use.



IRONING BOARD

Supported by drawer and ledge of lower unit by prongs in end of ironing board. Placed in ~~storage~~ **broom** unit when not in use.

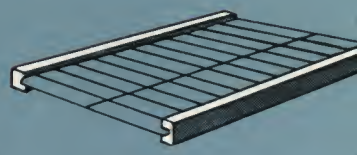
ACCESSORIES
for Bilt-Well NU-STYLE Kitchen Cabinets

In a beautiful kitchen with Bilt-Well Nu-Style Cabinets, the housewife's task is greatly lessened by the many time-saving conveniences. In the spacious compartments there is ample storage; there is also a place for everything!



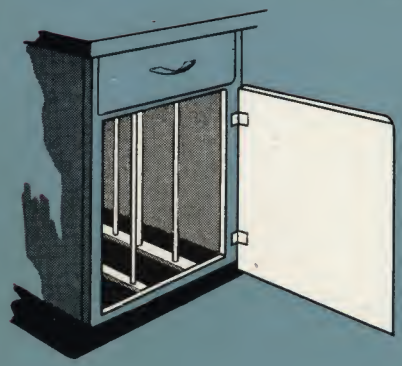
SLIDING TRAYS

Excellent for small articles and spices. Or you may place pots and pans on them.



WIRE SHELF WITH CLEAT

Used instead of the wood shelf. Mu be specified when ordering. Slidi shelves.



TRAY STORAGE

An accessory which can be added to any of the following lower units: 15 to 24 L-1, 30 to 42 L-2, and 27 to 42 L-3 units.



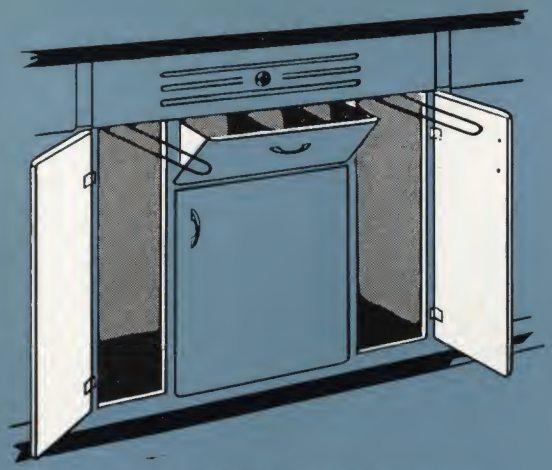
SUGAR BIN

Fastens to bottom of first shelf in upper cabinets. Slides forward for filling and use. Removable. Capacity 15 pounds.



LINEN TRAYS

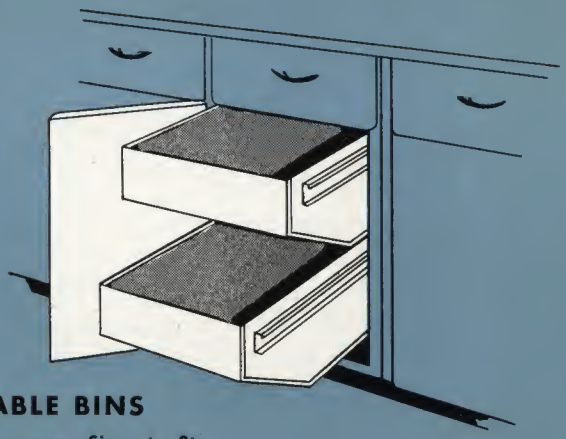
An accessory for lower unit 24 L-1,



COMBINATION SINK FRONT

Has sliding towel bars and soap compartment. Made in two widths.

36 DSF 36" wide
33 DSF 33" wide



VEGETABLE BINS

Ideal for this purpose. Sizes to fit lower units 18 L-1, 33 L-2 and 33 L-3.



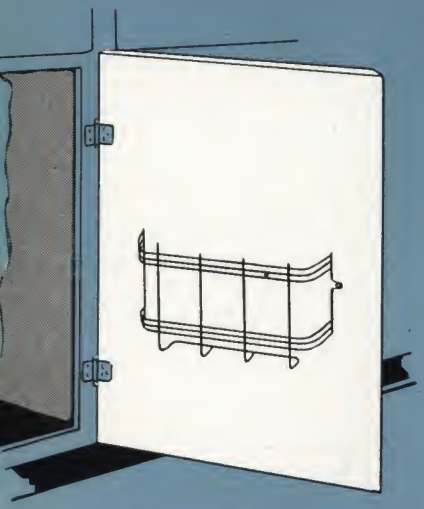
CARVING BOARD IN DRAWER

Can be used in the drawer or placed on the counter for use. Slides from front to back in drawer giving access to the drawer space.

ACCESSORIES

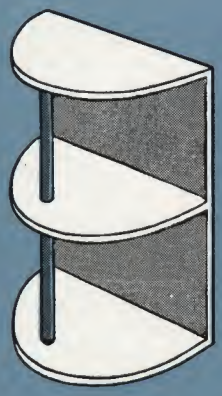
for Bilt-Well NU-STYLE Kitchen Cabinets

Requirements of one kitchen vary from another; consequently, these added conveniences are separate equipment available with your order for Bilt-Well Nu-Style Kitchen Cabinets. Please specify which accessories are wanted.



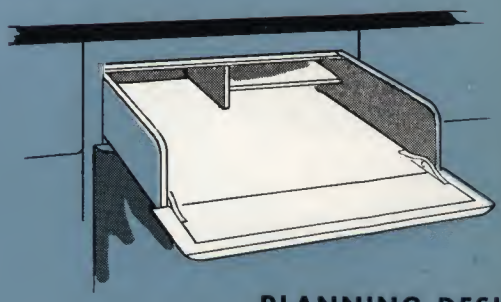
WIRE LID RACK

Attaches to door of lower unit. When ordering, give lower unit number for which this is wanted.



HALF-CIRCLE ENDS

Made for attaching to ends of upper and lower units.



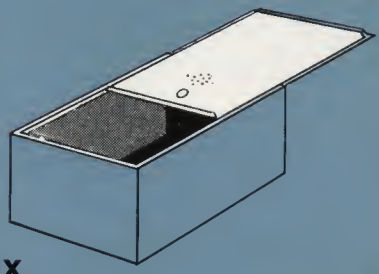
PLANNING DESK

Made for 24 L-1 and 24 L-2 units.



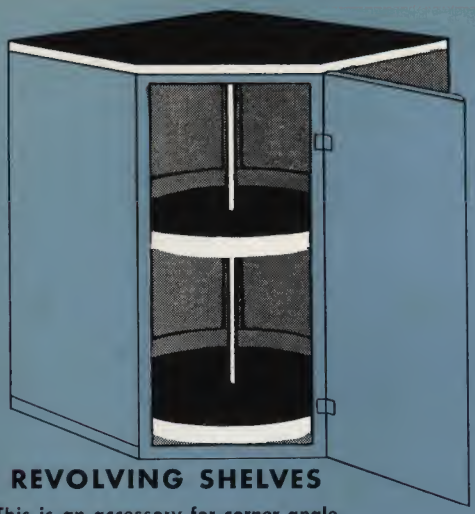
CONDIMENT RACK

Fits all upper units. Excellent for storing spices.



BREAD BOX

Fits inside of bottom drawers in lower units. Sometimes used for flour and sugar container. State which lower unit in which this will be used.

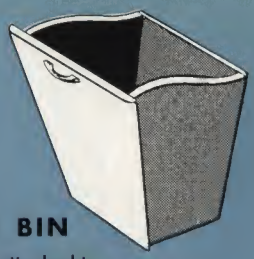


REVOLVING SHELVES

This is an accessory for corner angle unit 15-LA.

ACCESSORIES
for Bilt-Well NU-STYLE Kitchen Cabinets

You order these accessories in addition to the Bilt-Well Nu-Style Kitchen Cabinet Units. They are an essential part of your cabinet that provide added convenience and efficiency.



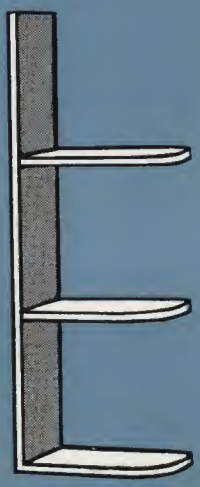
TILTING FLOUR BIN

Metal tilting flour bin to be attached to back of 18 L-1 door. Capacity, 60 pounds.



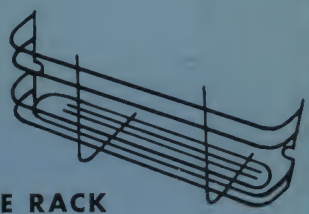
BW- 3642 ON-THE-WALL IRONING BOARD

Designed to harmonize with cabinets. Folds out of the way when not in use. Concealed by door.



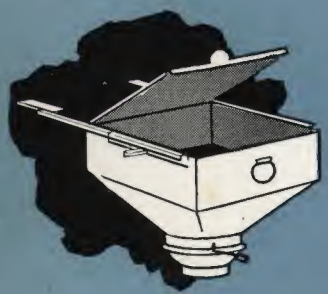
WHAT-NOT SHELF

Attaches to ends of upper units generally where a window is used over a sink. 5" deep, 11" wide, 30½" high.



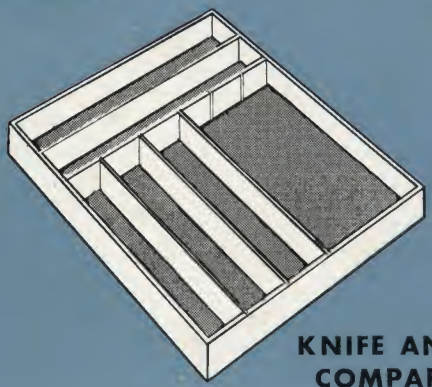
WIRE SPICE RACK

Very convenient holder. Attaches to door of upper units. Measures ~~11½~~ 9" wide.



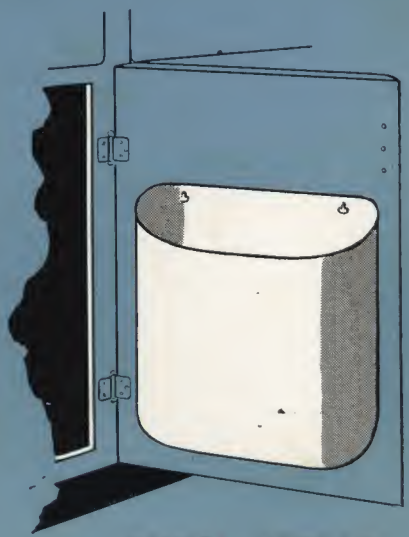
FLOUR BIN

Attaches to bottom of first shelf in upper units. Slides forward for use. Removable. Capacity 12 pounds.



KNIFE AND FORK COMPARTMENT

Made for any top drawer of lower units. Specify lower unit number for which this is wanted.



REFUSE DISPOSAL

Mounts on door of sink front.

Bilt-Well Nu-Style Cabinet Units

KITCHEN PLANNING SHEET

easily installed in new or old kitchens, making a compact permanent unit without expensive remodeling.

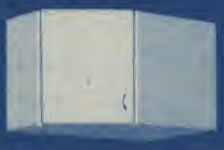
CEILING UNITS



24-C1½
21-C1½
18-C1½
15-C1½



42-C1½ 33-C1½
39-C1½ 30-C1½
36-C1½ 27-C1½



18-CA1½ ANGLE UNIT

UPPER UNITS



24-U
21-U
18-U
15-U



42-U 33-U
39-U 30-U
36-U 27-U



18-UA ANGLE UNIT

SINK FRONTS



36-DSF
33-DSF



24-SF
Consists of Sink Front only
—No shelves.



48-SF 33-SF
42-SF 30-SF
36-SF 27-SF

LOWER UNITS



24-L-1
21-L-1
18-L-1
15-L-1



42-L-2
36-L-2
30-L-2



24-L-2
21-L-2
18-L-2
15-L-2



42-L-3
39-L-3
36-L-3
33-L-3
30-L-3
27-L-3



15-LA ANGLE UNIT



STORAGE
18-S-1
18-S-2



BROOMS
21-B-1
21-B-2

NOTE: NUMBERS BEFORE THE LETTERS DETERMINE THE OVERALL WIDTH

EASILY ADJUSTABLE FOR ODD ROOM WIDTHS

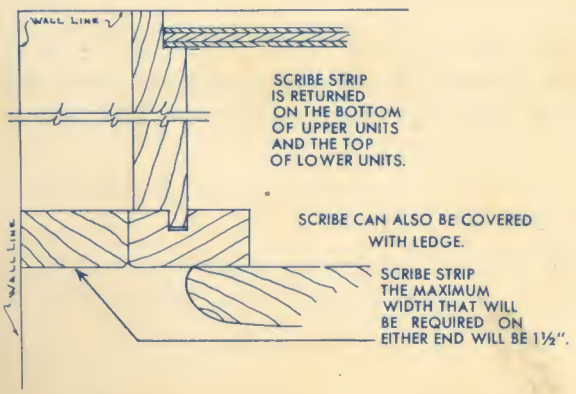
Upper and Lower Units are available in usual widths, breaking on 3". For room width variations under 3", a scribe strip is shown below. If the room width variation is 3" or more, the next width stock unit is used, plus the scribe strip. It is less expensive to use one wide unit than two small units.

DIMENSIONS:

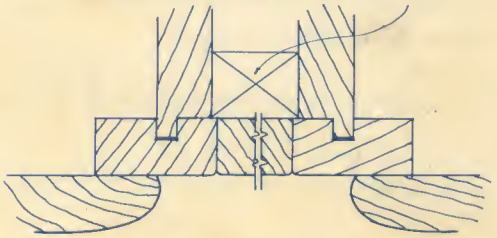
Ceiling Units	1'-6" high	1'-1¾" deep
Upper "	2'-6½" "	" "
Lower "	" "	2'-0¾" "

NOTE: Exclusive of Ledge and Auxiliary Base.

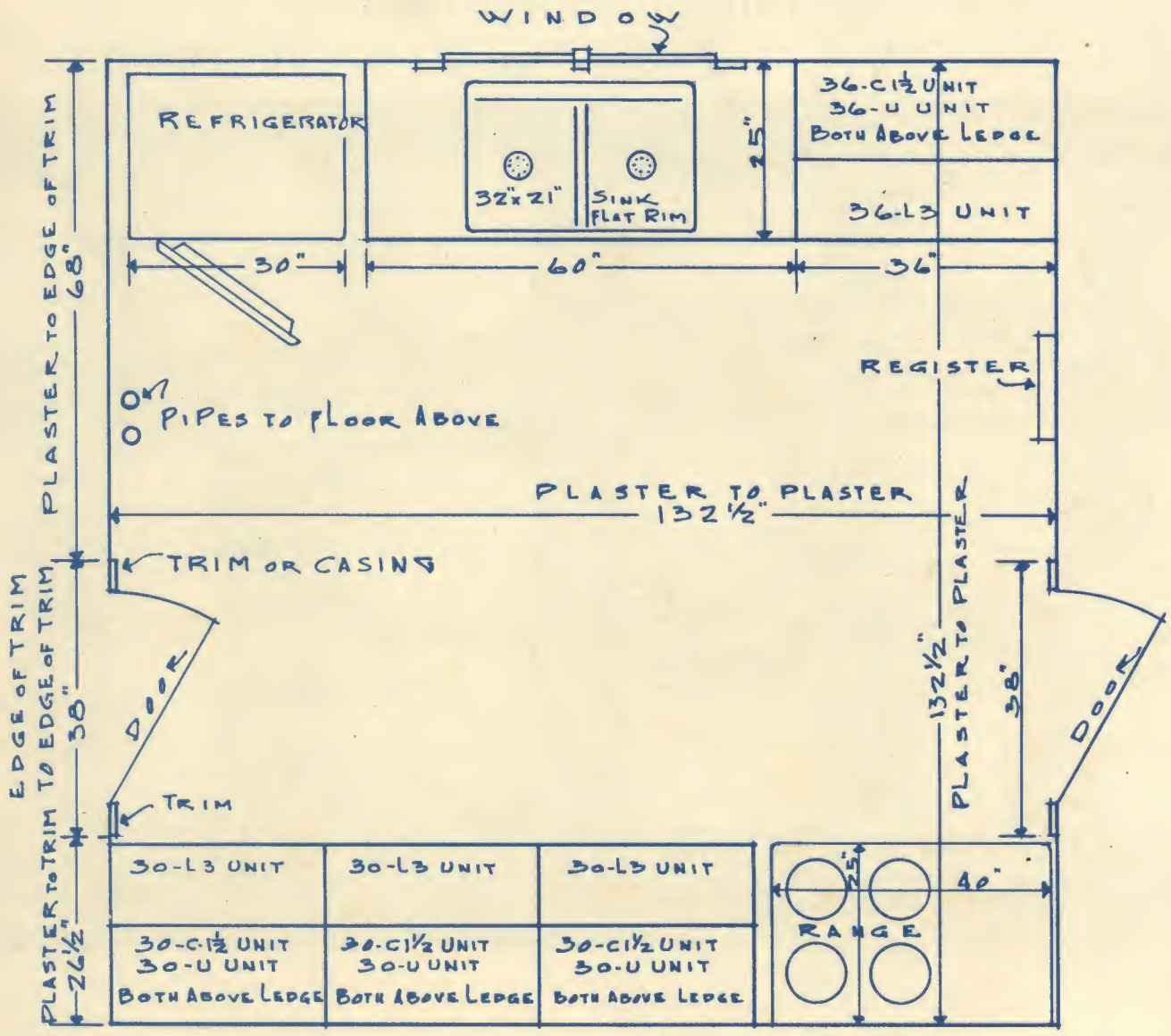
Storage Units S-1	6'-8" high	1'-1¾" deep
" " S-2	" "	2'-0¾" "
Broom " B-1	" "	1'-1¾" "
" " B-2	" "	2'-0¾" "
Angle Unit 18-CA 1½	extends	2'-1¾" *along each wall out from the corner*
" " 18-UA	extends	2'-1¾" *along each wall out from the corner*
" " 15-LA	extends	2'-10⅝" *along each wall out from the corner*



SCRIBE CAN ALSO BE USED BETWEEN UNITS THUS.



GENERAL INSTRUCTIONS

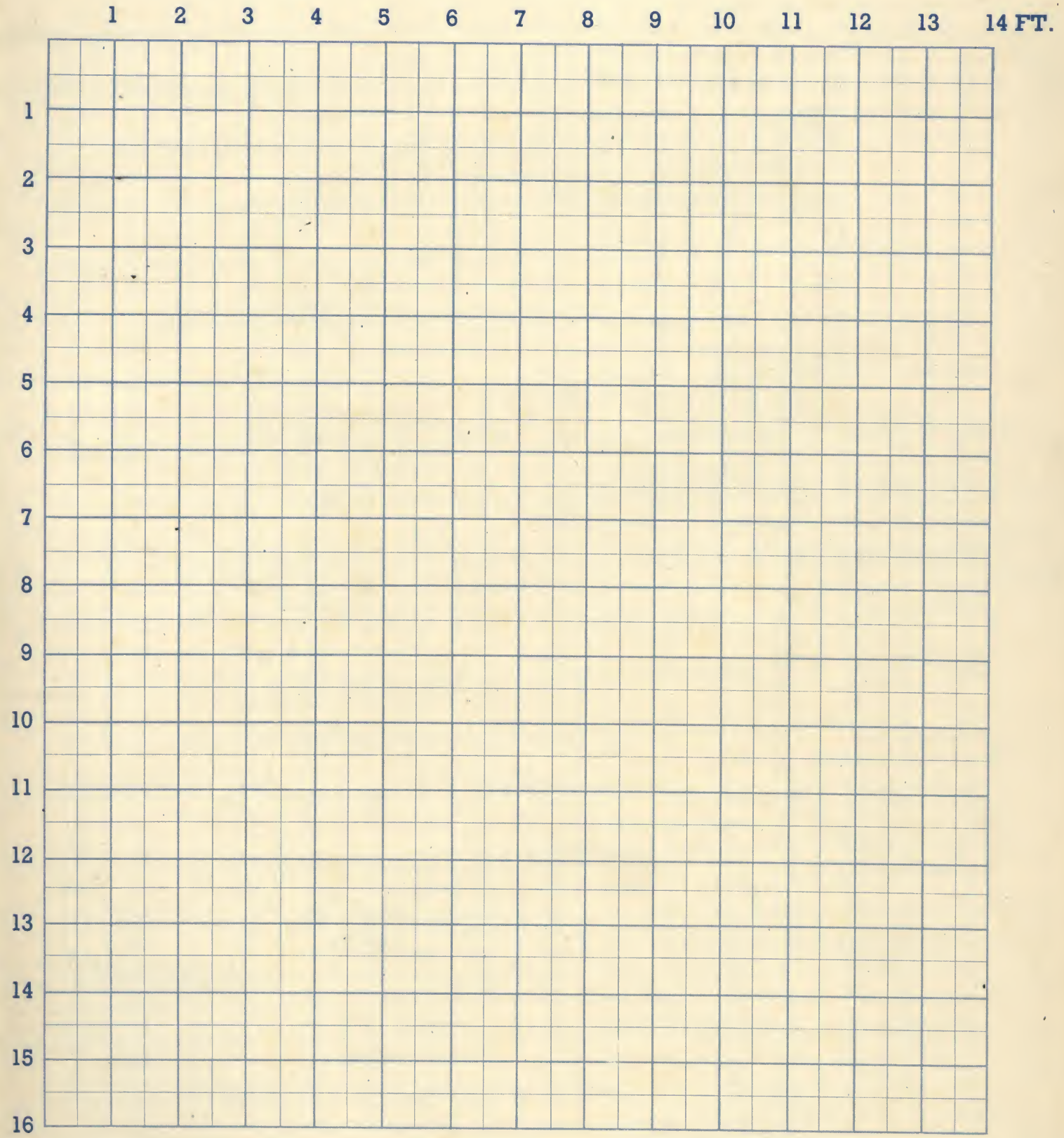


The above is an example showing how to arrive at the necessary information which will enable you to plan your kitche for the utmost in Beauty, Efficiency, and work saving. Measure your kitchen carefully, and on the ruled space on th next page draw a plan of it, starting from any corner of the room and continuing around the entire room, showin location of windows and doors and their dimensions, including all casings and trim. Show where the doors lead, as t Dining Room, Hall, or Outside. Give the sizes of Range, Refrigerator and Sink.

In planning cabinets under windows remember that lower units are 2'-6 1/2" high exclusive of toe-space which i usually 3'-5/8" high, and thickness of ledge. Don't put cabinets in front of warm air registers. Since the cabinets ar made of wood they can sometimes be fitted around pipes, ducts and other minor obstructions without too much trouble See your plumber for sink information.

NOTE: For use of units with various ceiling heights, and other data, see page 4.

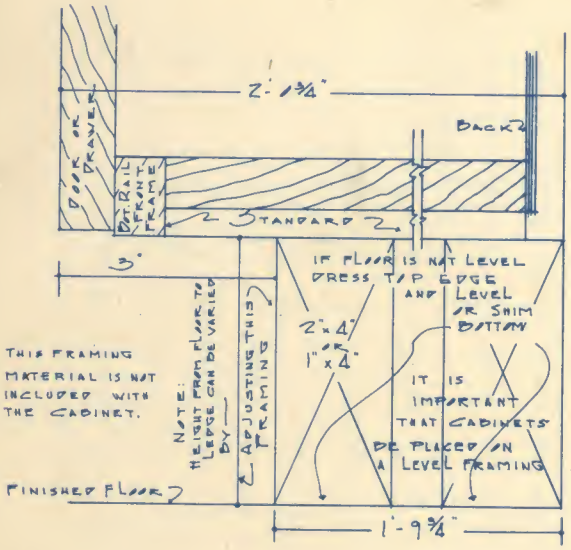
KITCHEN PLANNING SHEET
For BILT-WELL "NU-STYLE" KITCHEN CABINETS

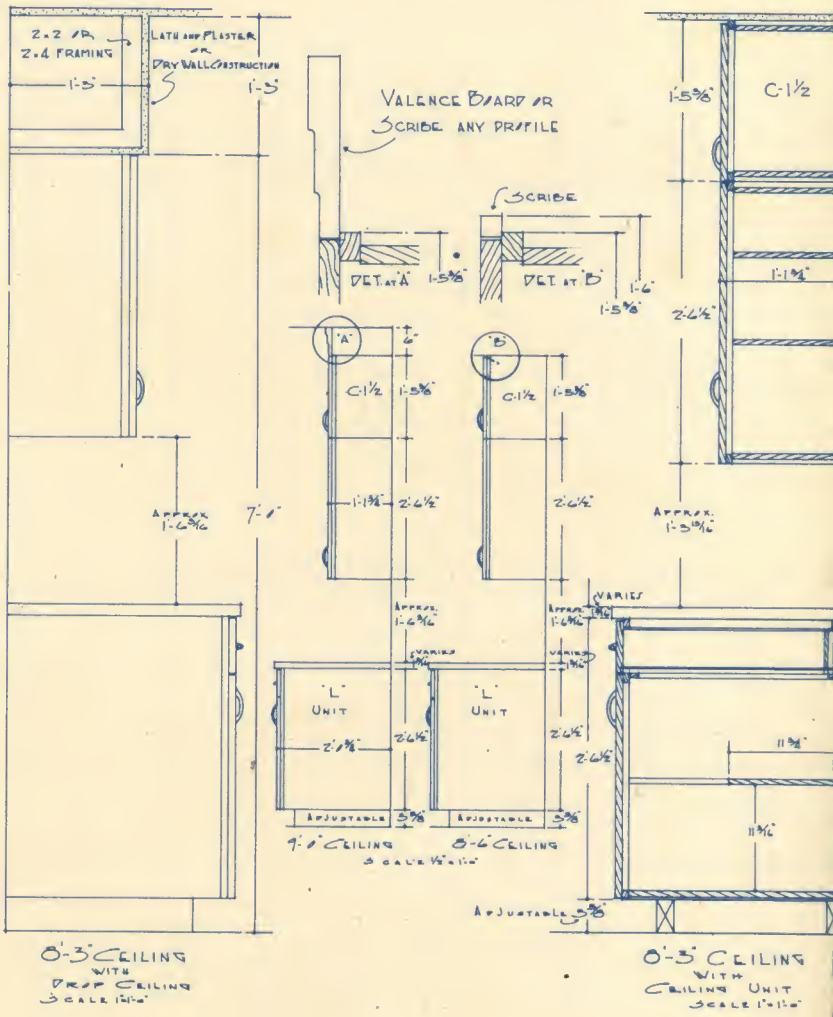


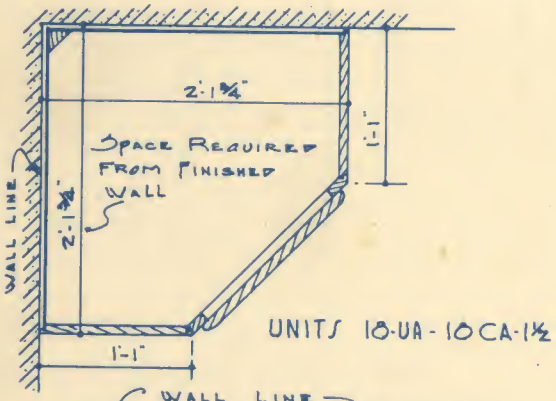
NOTE: Each square above represents 6 inches. Be sure you have shown the overall size of the doors and windows including trim, the distance between and from the corner to them including all casings and trim.

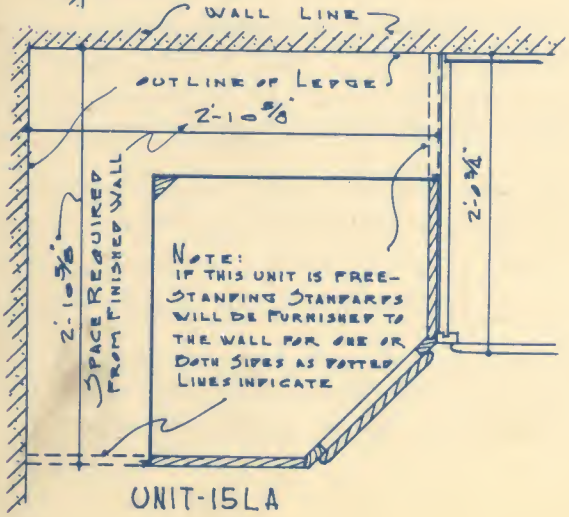
USEFUL NU-STYLE DATA

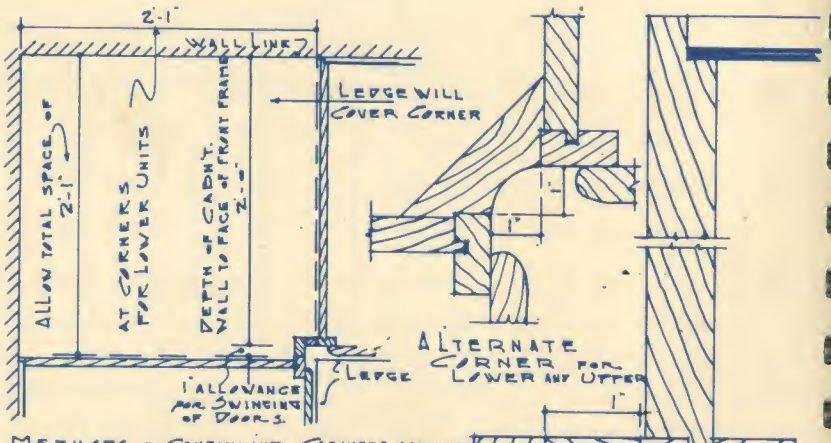
Various ceiling heights are worked out as illustrated 9'-0", 8'-6", and 8'-3". The most common height being 8'-3" with drop or built up ceiling. This 8'-3" height can also use ceiling units as illustrated. Scribe strips or valance boards as in the case of 9'-0" and 8'-6" ceiling can be furnished on request giving width and length.

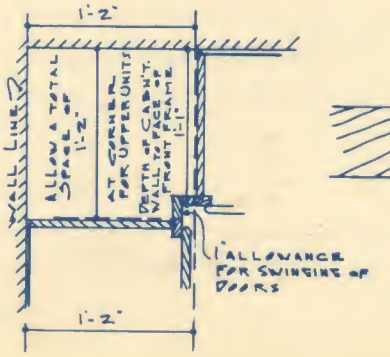














BILT WELL
WOOD WORK

Bilt-Well Gli-dor KITCHEN CABINET





Can be placed in kitchen of any size.
Made in units for continuous work space.
Lower units mounted on base. Easy to install.
Sink fronts are made to sizes to fit any size of sink.
Doors are sliding, require no space as swinging doors, no striking on them.
Doors slide easily in friction-free Birch runners.
Finger-tip control.
Doors can be removed easily for cleaning or replacing shelf paper.
Non-shrinking or swelling doors.
Self-cleaning door runners.
Dove-tail drawers.

A.I.A. File Number 35-C-12

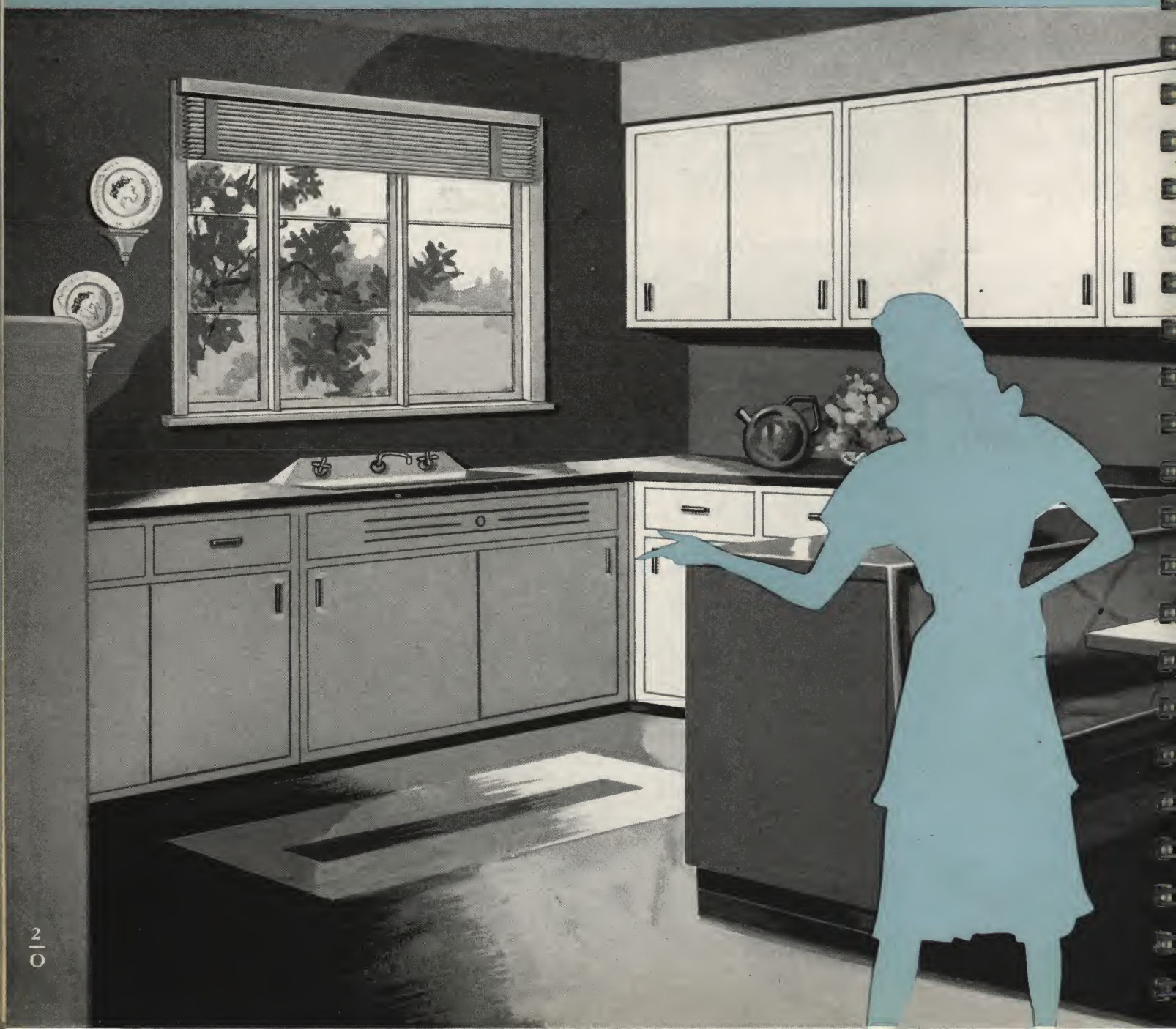
COPYRIGHT 1946

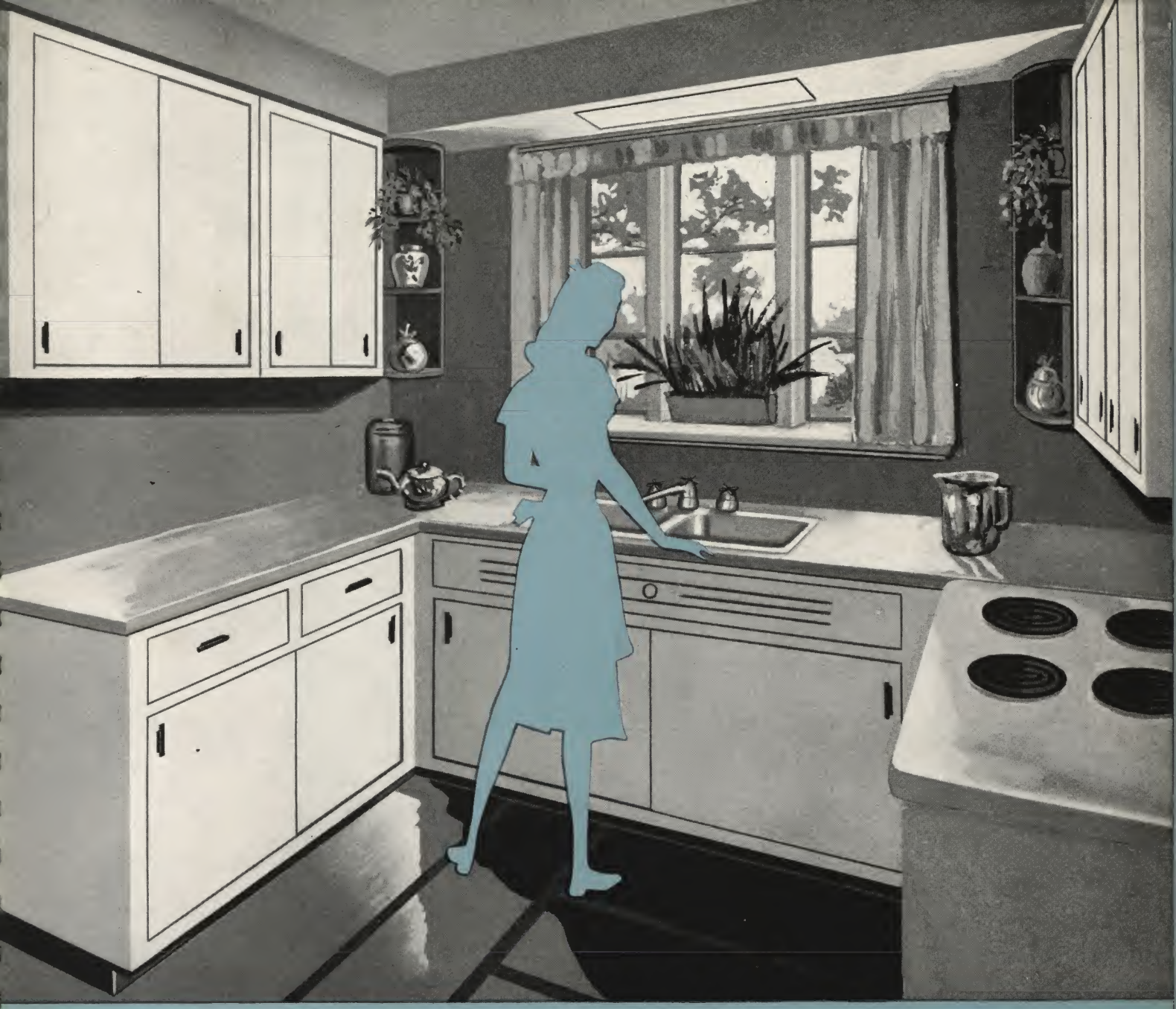
Doors are sliding, require no space as swinging doors, no striking on them.

NEW CONVENIENCE AWAITS YOU WITH THE NEW

BILT-WELL Gli-dor KITCHEN CABINET

Sliding doors . . . a feature of Gli-dor Cabinets. Just slide the doors to an open position and proceed in preparing food to serve. If a plate, platter, or a dish is needed, it is there before you on the shelves. When the meal has been served, dishes washed and stacked, just slide the doors closed and the shelves are concealed. And—how wonderfully convenient this all is with Gli-dor Cabinets.





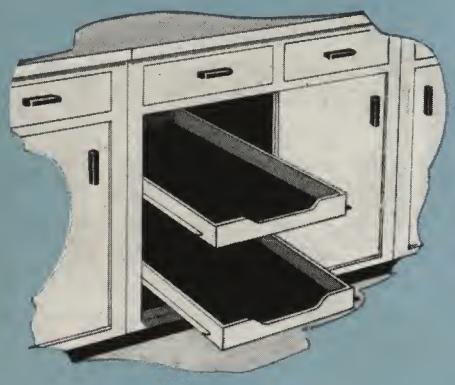


VEGETABLE BIN
Convenient vegetable storage bins for lower units.

It's a pleasure to work in a convenient kitchen and with Gli-dor Cabinets you can arrange the units to conform with your individual needs. The various units in which Gli-dor Cabinets are produced can be seen on the last page. These standard sizes enable you to solve storage problems in the most economical way.

Doors slide easily in friction-free Birch runners. Finger-tip control.





SLIDING TRAYS
Excellent for pots and pans—
or for small articles and spices.

Ample depth for storing cooking utensils is provided Knowing the importance of making kitchen cabinets with deep storage space, Bilt-Well Designers placed this at the top of their list when setting out to design Gli-dor Cabinets. The base (lower) cabinets are 23½" deep with a shelf. The work top is (24") spacious with plenty of depth. And, the drawers are 4" deep, just the right depth—not too deep and not too shallow. The upper cabinets are (12½") deep enough for large dinner plates, and will take a serving dish or platter standing on edge.

Can be placed in kitchen of any size. Made in units for continuous work space.



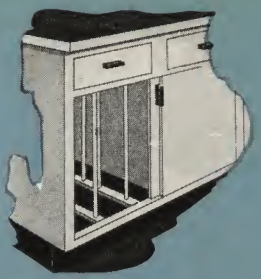
LINEN DRAWERS



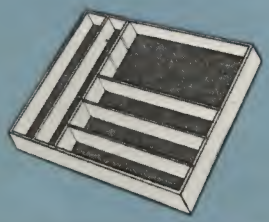
SUGAR AND FLOUR BINS



CARVING BOARD IN DRAWER



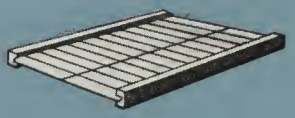
TRAY STORAGE RACK



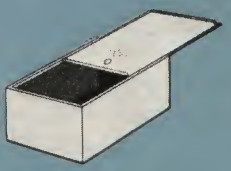
KNIFE AND FORK COMPARTMENT



CONDIMENT RACK



WIRE SHELF

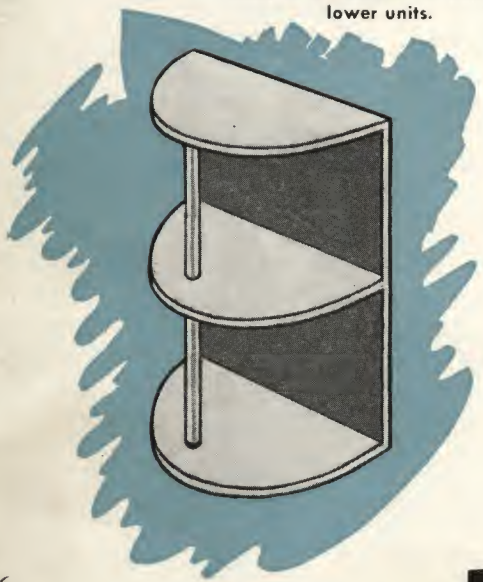


METAL BREAD BOX

GLI-DOR ACCESSORIES INCREASE USEFULNESS OF CABINETS



HALF CIRCLE ENDS
Made to be attached to ends of lower units.



The smooth, flush surfaces are a joy to clean . . . and the smart, modern, streamline styling is in perfect harmony with new kitchen ranges and refrigerators. Today the kitchen takes its rightful place as the most important room in the home, and the degree of enjoyment and convenience to be derived depends entirely on the proper selection of cabinets. For the utmost in beauty, convenience, and utility insist on Gli-dor Cabinets.

Doors can be removed easily for cleaning or replacing shelf paper.



WHAT NOT SHELF
Attaches to ends of upper units generally where window is used over a sink, 5″ deep, 11″ wide, 30½″ high.



Finger-tip control . . . A light touch and the doors glide open or closed. The ease of this sliding is the secret of its foolproof sliding track combined with doors of a lightweight plastic type material. This is a product of wood and is hard and durable. Its smooth surface is a perfect base for an enamel finish. Another feature is that the doors can be removed by raising them. This is a convenience for cleaning, for placing shelf paper, and redecorating.

Non-shrinking or swelling doors. **Self-cleaning door runners.**

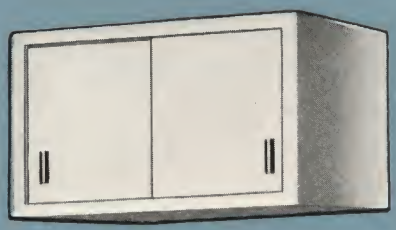
FITS ANY SHAPE OR SIZE OF KITCHEN

These standard Gli-dor Units can be arranged to modernize any kitchen. The graduated sizes enable one to plan the kitchen to meet the individual needs of the housewife.

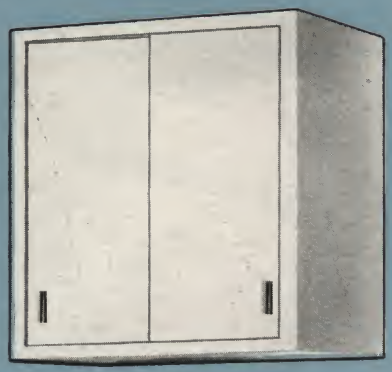
SPECIFICATIONS

Bilt-Well Gli-dor Cabinet Units are manufactured of kiln-dried clear Ponderosa Pine; except the doors, which are plastic-type material. All parts are completely machined and cut to fit. Front frames and drawer slides are put together with mortised and tenoned, glued joints packaged in cartons with balance of unit K.D.

BILT-WELL Gli-dor KITCHEN CABINET



GR-36 OVER REFRIGERATION UNIT—36" WIDE
GR-42 OVER RANGE UNIT — 42" WIDE
1'-6" HIGH 1'-0½" DEEP



GT-30 UPPER UNIT—30" WIDE
GT-36 UPPER UNIT—36" WIDE
GT-42 UPPER UNIT—42" WIDE
GT-48 UPPER UNIT—48" WIDE
2'-7¾" HIGH 1'-0½" DEEP



GS-36 SINK FRONT—36" WIDE
GS-42 SINK FRONT—42" WIDE
GS-48 SINK FRONT—48" WIDE
2'-6½" HIGH



GS-60 SINK FRONT—60" WIDE
GS-72 SINK FRONT—72" WIDE
2'-6½" HIGH



GB-30 LOWER UNIT—30" WIDE
GB-36 LOWER UNIT—36" WIDE
GB-42 LOWER UNIT—42" WIDE
GB-48 LOWER UNIT—48" WIDE
2'-6½" HIGH 1'-11½" DEEP

It's simple—all you do is lower the board into position for ironing. It's convenient and out of the way. It's neat and attractive at all times.



Bilt-Well

IRONING BOARD CABINETS

BILT WELL WOOD WORK

It is strong and rigid and the height is adjusted when the cabinet is attached to the wall.





You can iron at ease. The width of the ironing board is 14", a width that will make this ironing board a favorite of many housewives.

A.I.A. File Number 19-E-7



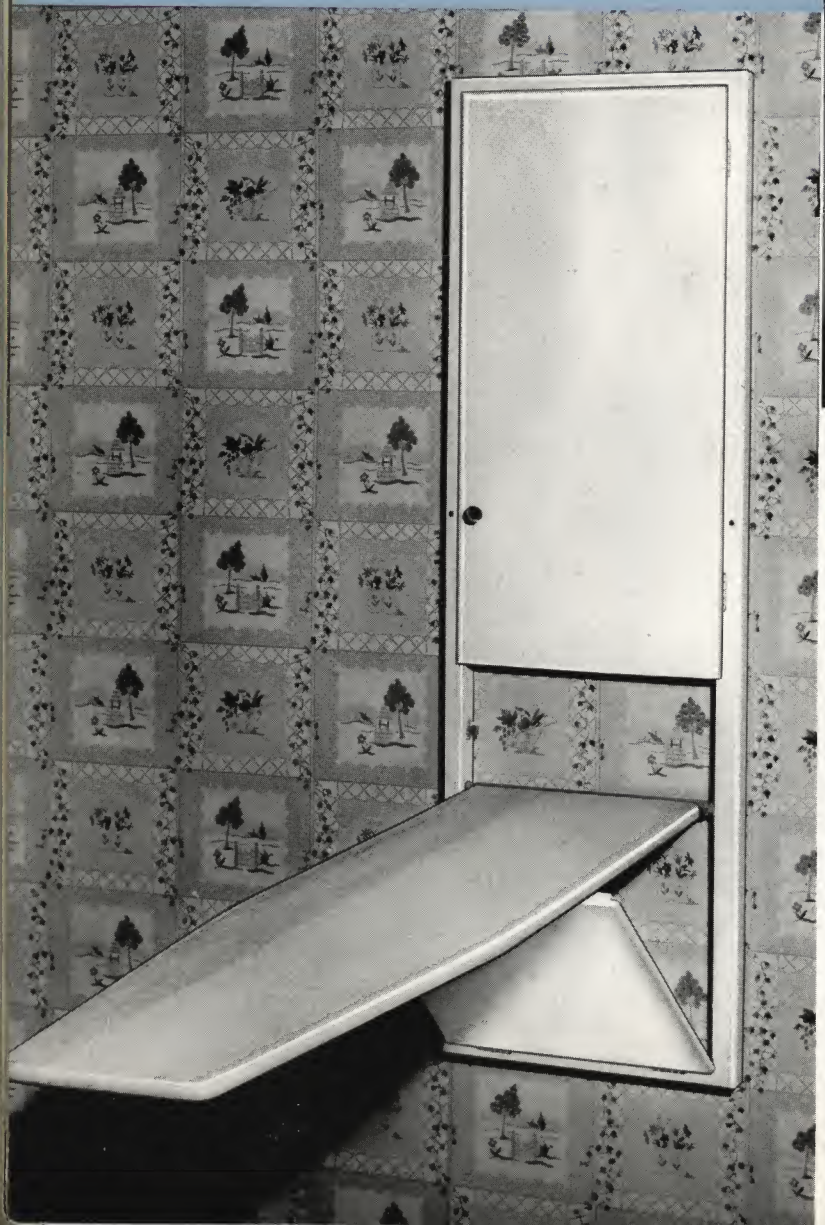


BILT-WELL
IRONING BOARD CABINET BW-3642

Manufactured of Ponderosa Pine. Completely assembled including all mechanical hardware.

This efficient ironing board cabinet, which is also illustrated on the preceding page, utilizes the lower door panel to support the ironing board when in use. Over-all size of cabinet is 1′-5¾″ wide and 4′-9½″ high. Screw holes are 16″ on centers, same spacing as standard studding.







BILT-WELL
IRONING BOARD CABINET BW-3644

Manufactured of Ponderosa Pine. Completely assembled including all mechanical hardware.

The board is affixed to the recessed cabinet and is completely out of the way when not in use . . . accessible, practical, and easy to work with when needed. Ironing board (proper) 4′-3″ long, 10⅞″ wide. Sleeve board 2′-2¼″ long by 5⅛″ wide. Requires a recess 1′-2¼″ wide, 4′-9″ high, and 4″ deep.

Copyright 1946





BILT-WELL
IRONING BOARD CABINET BW-3648

Manufactured of Ponderosa Pine. Completely assembled including all mechanical hardware.

An on-the-wall ironing board cabinet which attaches directly to the surface of the wall and can be removed when desired. The ironing board (proper) which is fastened to the cabinet is 4'-3" long, and 10⅞" wide. Cabinet over-all size 1'-2⅝" wide and 4'-9½" high.

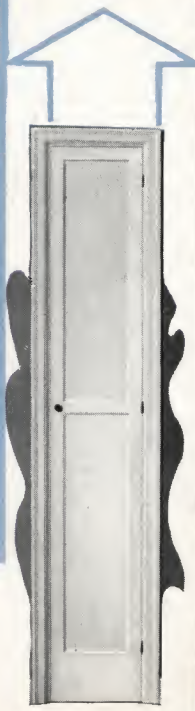


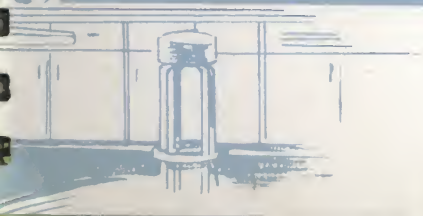


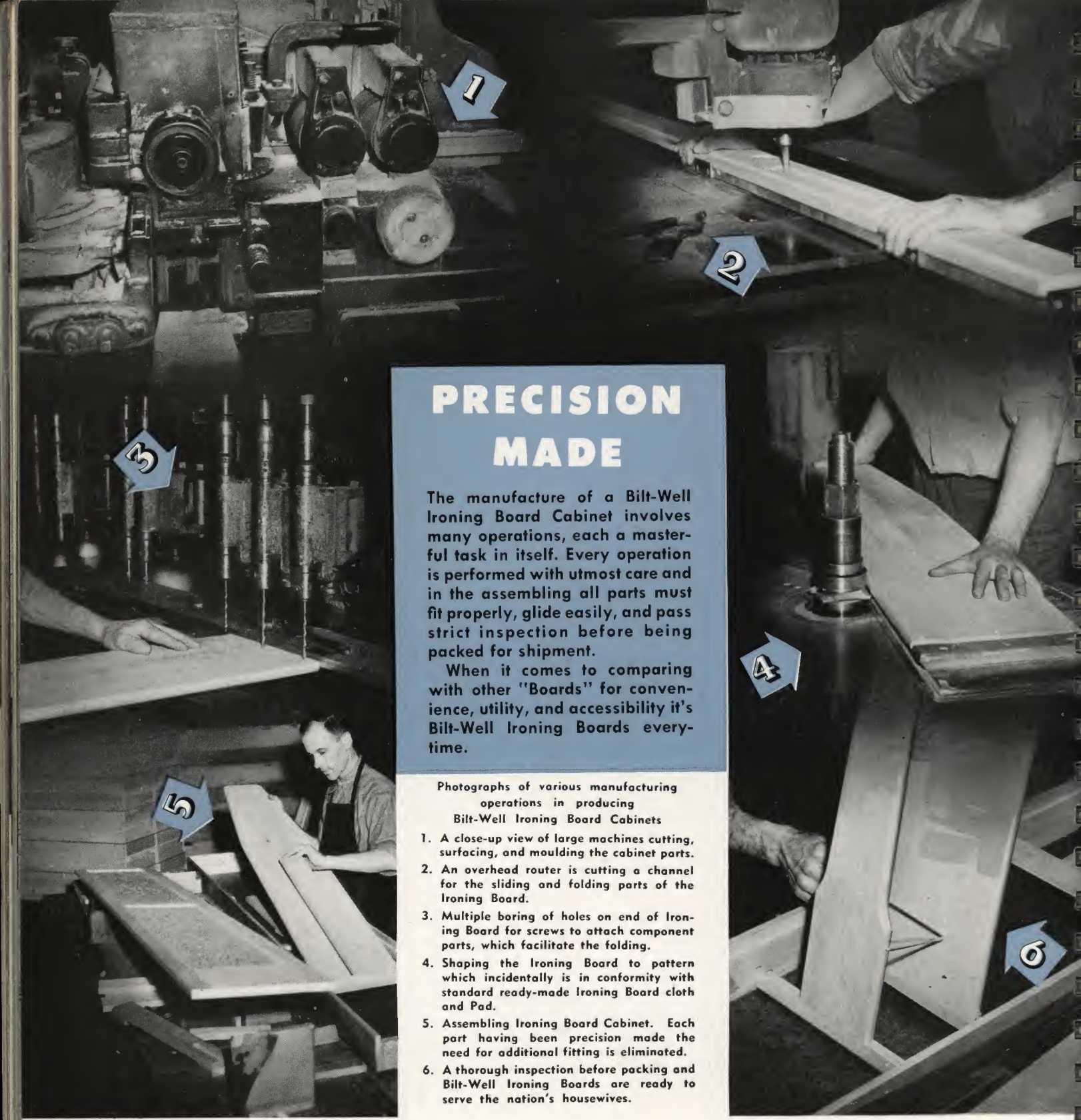
BILT-WELL
IRONING BOARD CABINET BW-3646

Manufactured of Ponderosa Pine. Completely assembled, but no casing and no door hardware.

An exceptionally popular and convenient ironing board cabinet with full length door that has the ironing board attached to it. It is neat, efficient, and well constructed for long satisfactory service. Dimensions of ironing board (proper) 4'-3" long and 10⅞" wide. Sleeve board 2'-2¼" long and 5⅛" wide. Recess required 1'-2¼" wide, 6'-9" high, and 4" deep.







PRECISION MADE

The manufacture of a Bilt-Well Ironing Board Cabinet involves many operations, each a masterful task in itself. Every operation is performed with utmost care and in the assembling all parts must fit properly, glide easily, and pass strict inspection before being packed for shipment.

When it comes to comparing with other "Boards" for convenience, utility, and accessibility it's Bilt-Well Ironing Boards everytime.

Photographs of various manufacturing operations in producing Bilt-Well Ironing Board Cabinets

1. A close-up view of large machines cutting, surfacing, and moulding the cabinet parts.
2. An overhead router is cutting a channel for the sliding and folding parts of the Ironing Board.
3. Multiple boring of holes on end of Ironing Board for screws to attach component parts, which facilitate the folding.
4. Shaping the Ironing Board to pattern which incidentally is in conformity with standard ready-made Ironing Board cloth and Pad.
5. Assembling Ironing Board Cabinet. Each part having been precision made the need for additional fitting is eliminated.
6. A thorough inspection before packing and Bilt-Well Ironing Boards are ready to serve the nation's housewives.

Bilt-Well

MANTELS

BILT WELL
WOOD WORK
REG. U. S. PAT. OFF.



A.I.A. File Number 19-E-32



BILT WELL WOOD WORK

REG U S PAT OFF.

A beautiful mantel design that will add an atmosphere of coziness to the home. The carefully made dentils under the shelf and the accurately machined moulding which frames the fireplace proper lend entrancing beauty to the mantel.

BW-3650—Manufactured of Ponderosa Pine. K. D. Semi-assembled, carton packed. Dimensions: Height to top of shelf 4′–5¼″, length 6′–6⅝″, width of shelf 7¼″. Wood opening 4′–2″ x 3′–1″.

Copyright 1946.



This design combines stateliness and beauty, and its excellent harmony with the latest home furnishings makes it an excellent selection. It is a masterpiece in woodwork.

BW-3654—Manufactured of Ponderosa Pine. K. D. Semi-assembled, carton packed. Height to top of shelf 4′–4⅝″, length of shelf 6′–1¼″, width of shelf 7 7/16″. Wood opening 4′–3″ wide, 3′–3″ high.

BILT WELL WOOD WORK



BILT-WELL WOOD WORK

The expert craftsmanship marks this mantel as the outstanding design for ornate beauty. Every moulding and ornament is carefully and precisely shaped and fitted, and every joint is constructed to insure maximum durability.

BW-3658—Manufactured of Ponderosa Pine. K. D. Semi-assembled, carton packed. Height to top of shelf 4′–4⅝″, length 6′–1¼″, width of shelf 7 7/16″. Wood opening 4′–3″ wide, 3′–3″ high.



The warmth and friendliness expressed in this modern design is an outstanding achievement of creative beauty. The primary purpose of this design is to place within the reach of those who desire modern style a mantel in complete harmony with modern household furnishings.

BW-3661—Manufactured of Ponderosa Pine. K. D. Semi-assembled, carton packed. Height to top of shelf 4′–4⅝″, length 6′–1¼″, width of shelf 5½″. Wood opening 4′–3″x3′–3″.

BILT WELL WOOD WORK

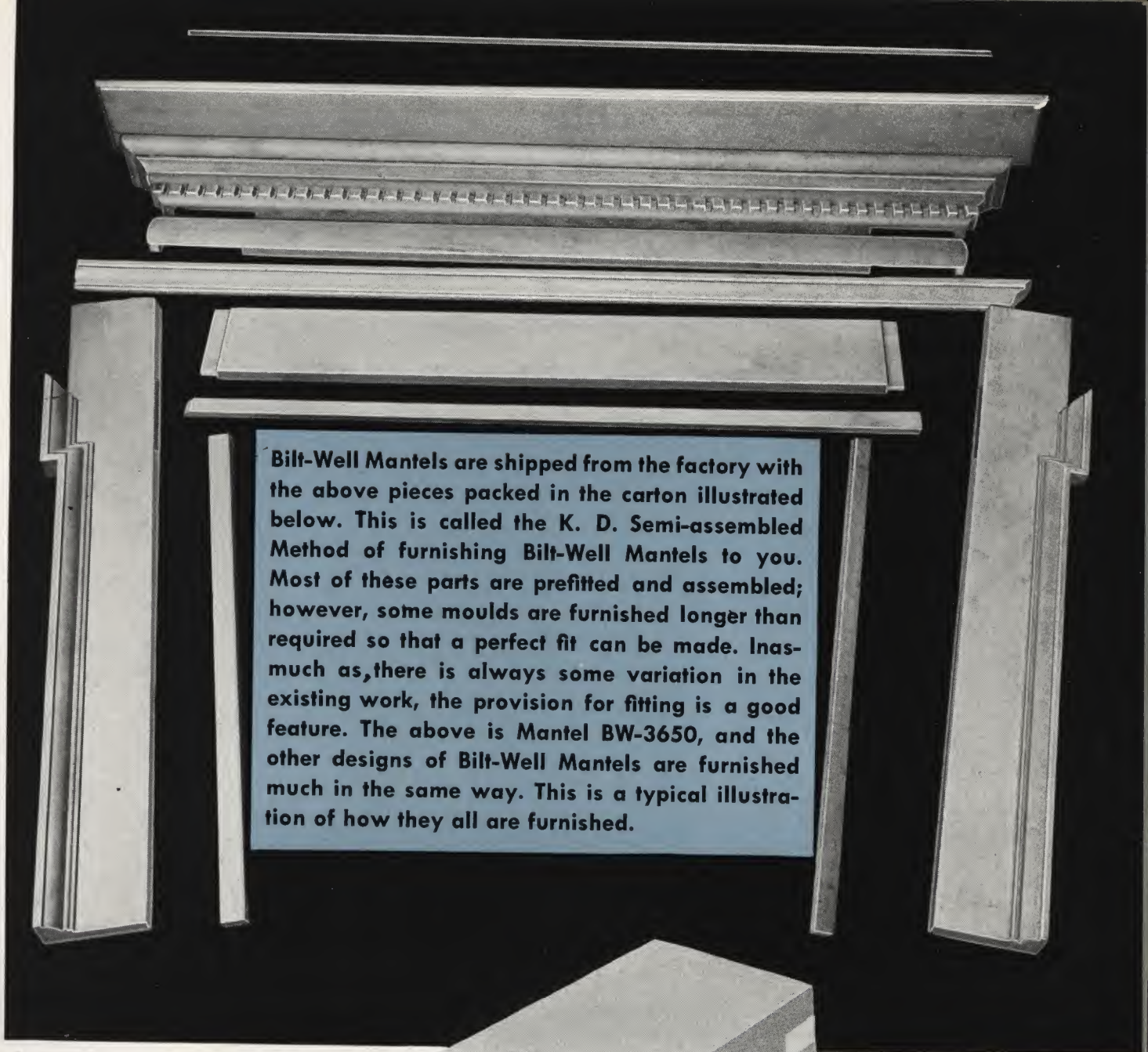
REG. U. S. PAT. OFF.



BILT-WELL WOOD WORK
REG. U. S. PAT. OFF.

A mantel design that captures the admiration of home lovers. Its correct proportions, fluted pilasters, and graceful mouldings combined with its spacious shelf produces a pleasing appearance.

BW-3664—Manufactured of Ponderosa Pine. K. D. Semi-assembled, carton packed. Height to top of shelf 4′–4⅝″, length 6′–1¼″, width of shelf 7 7/16″. Wood opening 4′–3″ wide, 3′–3″ high.



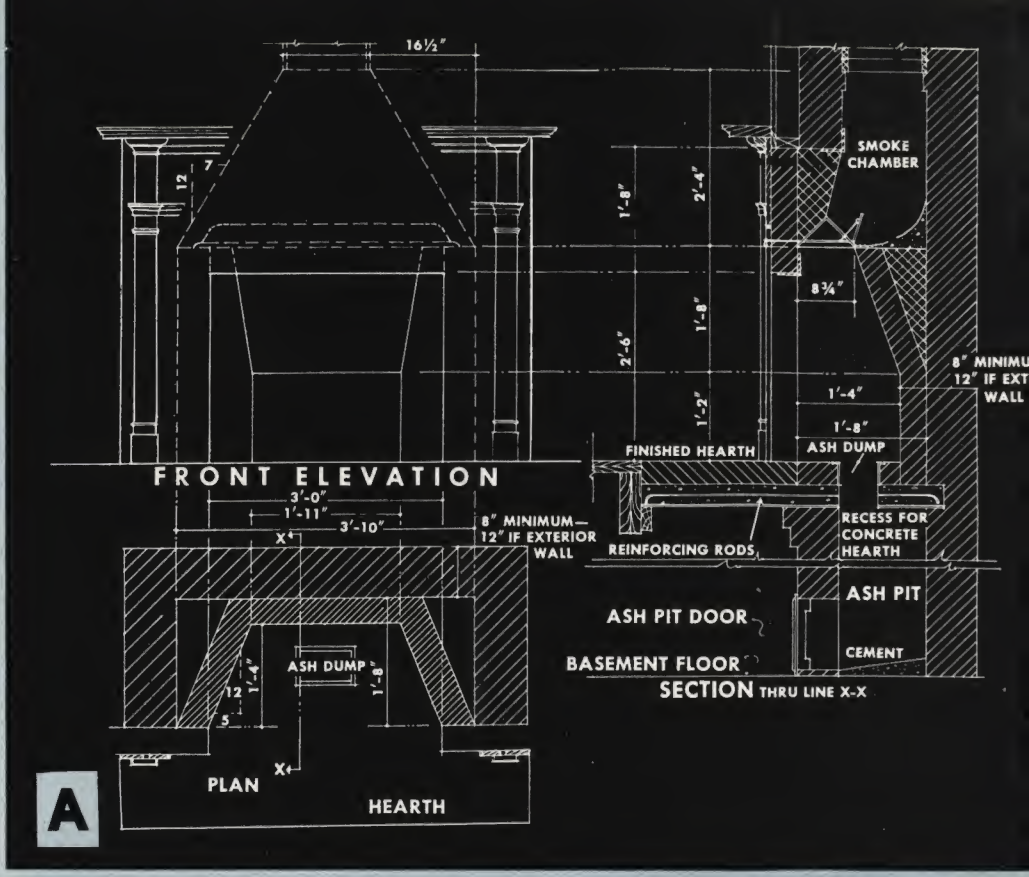
Bilt-Well Mantels are shipped from the factory with the above pieces packed in the carton illustrated below. This is called the K. D. Semi-assembled Method of furnishing Bilt-Well Mantels to you. Most of these parts are prefitted and assembled; however, some moulds are furnished longer than required so that a perfect fit can be made. Inasmuch as, there is always some variation in the existing work, the provision for fitting is a good feature. The above is Mantel BW-3650, and the other designs of Bilt-Well Mantels are furnished much in the same way. This is a typical illustration of how they all are furnished.



Bilt-Well Mantels are packed in a strong corrugated paper carton like that illustrated above. The fine workmanship and the high quality woodwork are protected from damage while being shipped to you by this carton. All the laps in the carton are sealed to prevent dust and grit from filtering into the carton. Bilt-Well Mantels come to you "spotlessly clean" as the result of these precautions.

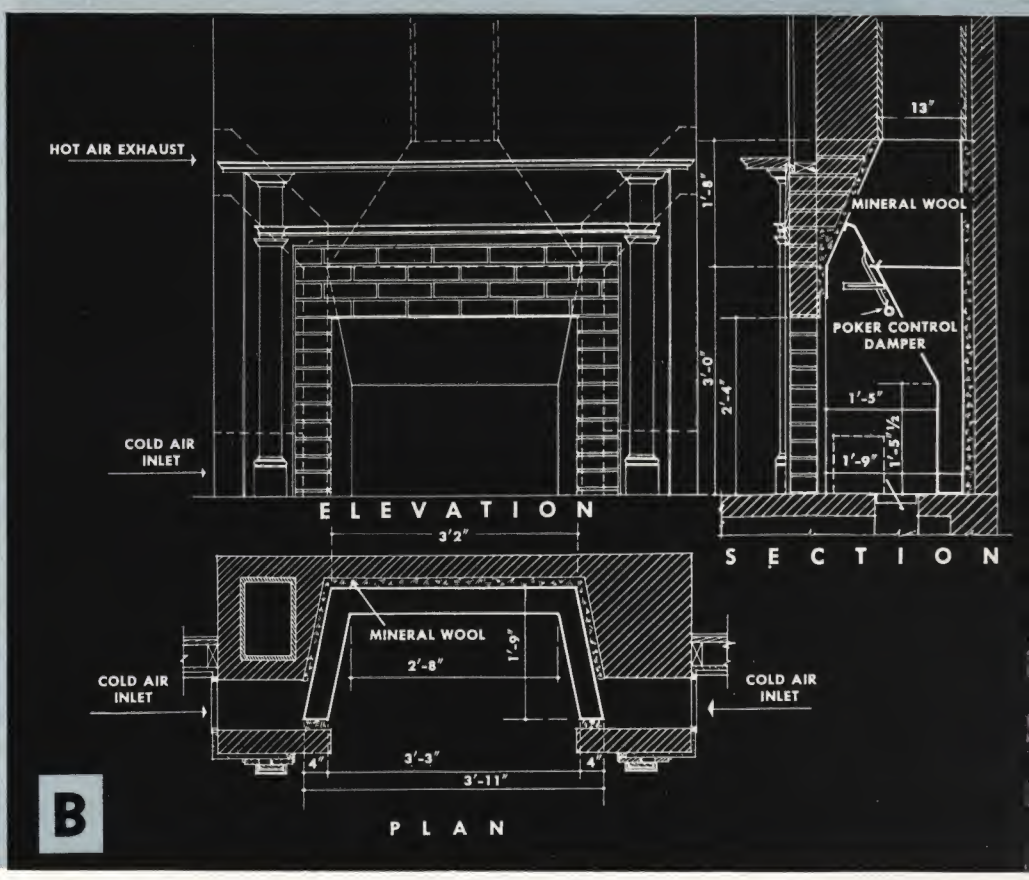
When you build a fireplace in your home, you expect it to be of real service and comfort. Yet if it smokes, it cannot be used. We really have nothing to do with the construction of the fireplace, but we do feel that we can be of real service to you by offering the following information which can be followed whether you build just an ordinary fireplace or decide on having a manufactured steel heating accessory built into your fireplace. While these are technical details, the illustrations are understood by those that you will entrust with the work of building your fireplace. By following these details many of the mistakes resulting in a faulty fireplace can be avoided.

We manufacture only the wood mantel.



A

This is the standard way to construct a fireplace including a smoke shelf, a tapered throat, and a damper to regulate the draft. Keep all wood framing two inches away from the brick which frames this fireplace. Fill space around fireplace with a non-combustible insulation.



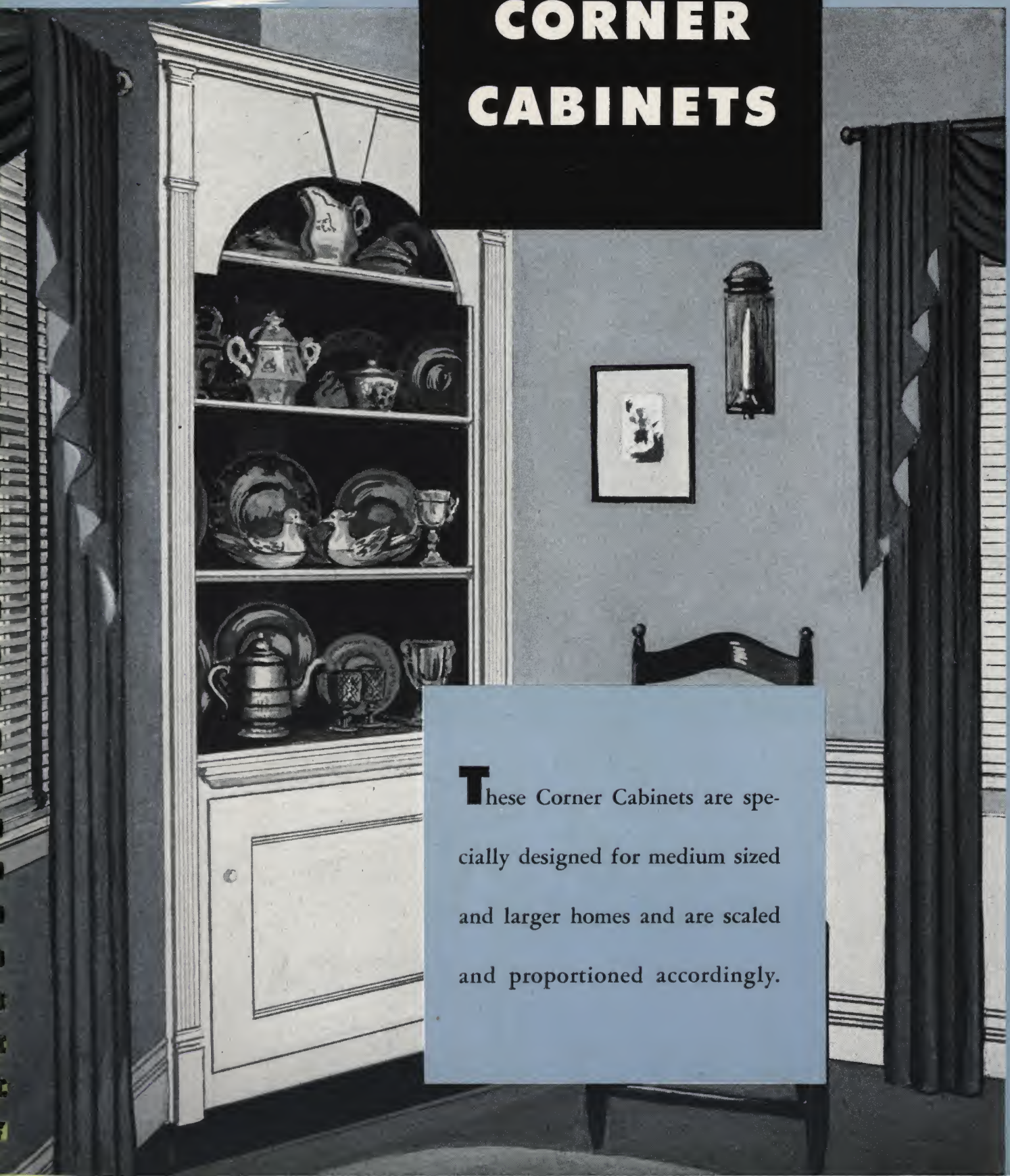
B

This method of fireplace construction provides warmth from the fire by circulating the air of the room. In a single compact unit made of steel there is included the firebox, throat, damper, downdraft shelf, and smoke dome. This steel unit is a form for the masonry and eliminates all guesswork common in fireplace failures. Again we wish to mention that we have nothing to do with the furnishing of this unit. We furnish only the wood mantel. See your local lumber dealer for these steel heating units.

BILT WELL WOOD WORK

REG. U. S. PAT. OFF.

Bilt-Well CORNER CABINETS



These Corner Cabinets are specially designed for medium sized and larger homes and are scaled and proportioned accordingly.

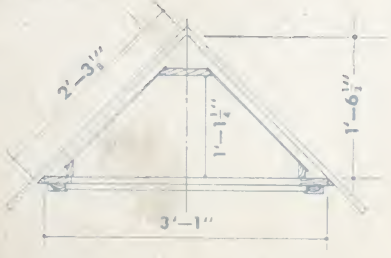
A.I.A. File Number 19-E-7



Corner Cabinets BW-3751

Any housewife will be delighted with this attractive Corner Cabinet in her dining room. A decorative touch often lacking in a dining room would be supplied.

Overall dimensions: 3′-1″ wide, 7′-1 5/16″ high and 1′-1 1/4″ deep inside. Extends 2′-3 1/8″ along each wall out from the corner.

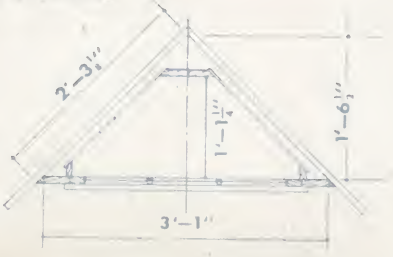




Corner Cabinets BW-3753

Choose this design to accentuate the beauty of your dining room. It is a design which will go well with any traditional style of furniture.

Overall dimensions: 3′-1″ wide, 7′-1 5/16″ high and 1′-1 1/4″ deep inside. Extends 2′-3 1/8″ along each wall out from the corner.

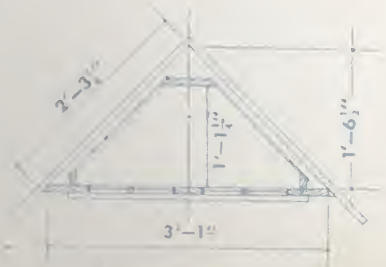




Corner Cabinets BW-3755

The scrolled top gives this Corner Cabinet exquisite beauty. Its glass doors make it very practical, too.

Overall dimensions: 3′-1″ wide, 7′-8¼″ high and 1′-1¼″ deep inside. Extends 2′-3⅛″ along each wall out from the corner.

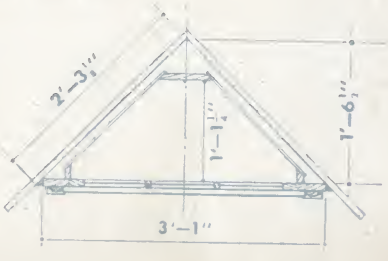




Corner Cabinets BW-3757

This attractive Corner Cabinet blends well with most any period furniture. The rounded door adds a note of charm.

Overall dimensions: 3′-1″ wide, 7′-1⁵⁄₁₆″ high and 1′-1¼″ deep inside. Extends 2′-3⅛″ along each wall out from the corner.





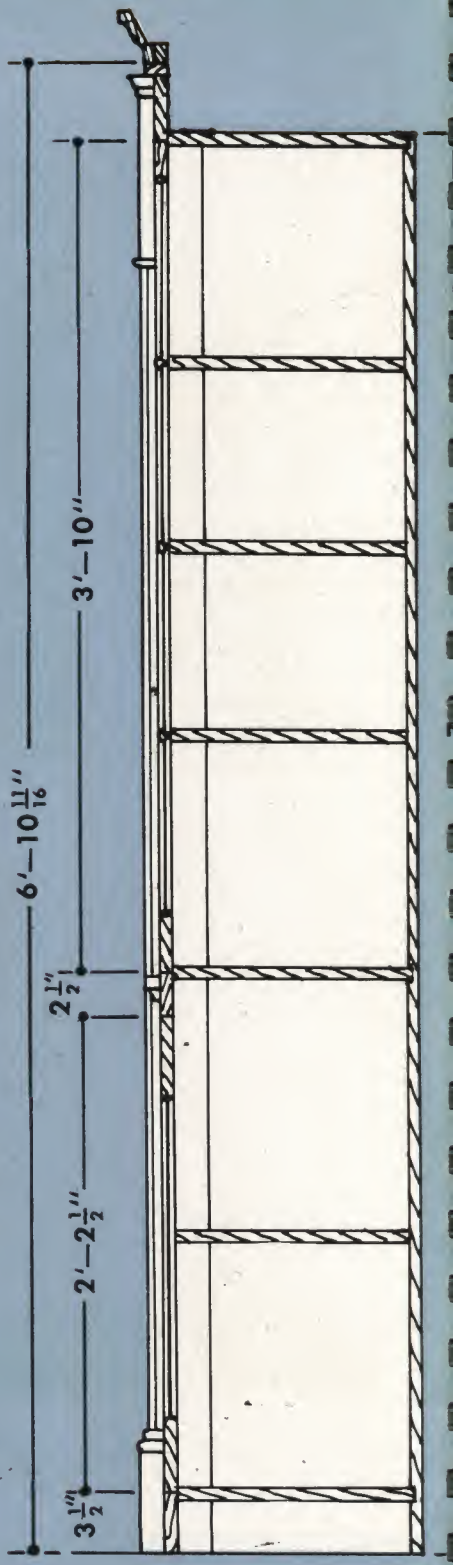
Bilt-Well Corner Cabinets are especially effective in opposite corners of the dining room.



A Bilt-Well Corner Cabinet for a variety of uses. They can be used in nursery, playroom, or in the den, as they make excellent cabinets for storage.

CONSTRUCTION

All Bilt-Well Corner Cabinets are manufactured of Ponderosa Pine, carefully constructed with accurately machined joints. The doors are mortised and tenoned construction and high grade glue is used. The standards are bored for adjustable shelves and shelf pins are furnished. The cabinet front is assembled, and the doors are prefitted. The balance of the cabinet parts are K.D. (knocked down) and backs are included. All of the cabinet, doors, etc., are natural wood smoothly sanded for stain and varnish or enamel finish. Carton packed for shipment.



Bill-Well

CORNER CABINETS for smaller homes



Designed exclusively for the smaller homes and apartments with low ceilings. They are scaled and proportioned to attractively fit the small dining room now so popular.

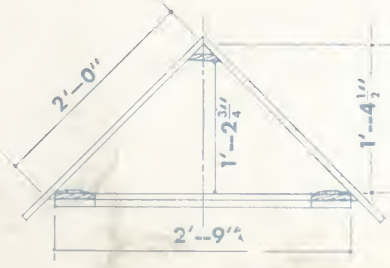
A.I.A. File Number 19-E-7



Corner Cabinets BW-3759

This attractive Bilt-Well Corner Cabinet will make a valuable addition to your home.

Overall dimensions: 2′-9″ wide, 6′-5½″ high and 1′-2¾″ deep inside. Requires 2′-0″ along each wall out from the corner.

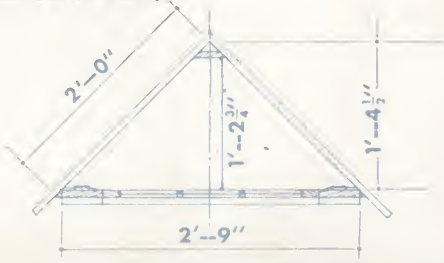




Corner Cabinets BW-3761

All designs have spacious shelves for dishes and this one has a glass door which forms a dust-proof enclosure.

Overall dimensions: 2′-9″ wide, 6′-3″ high and 1′-2¾″ deep inside. Requires 2′-0″ along each wall out from the corner.

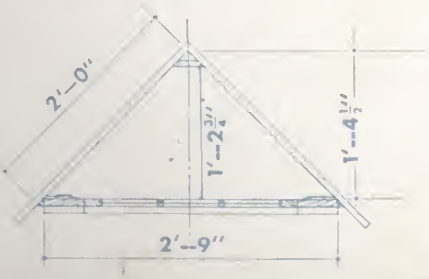


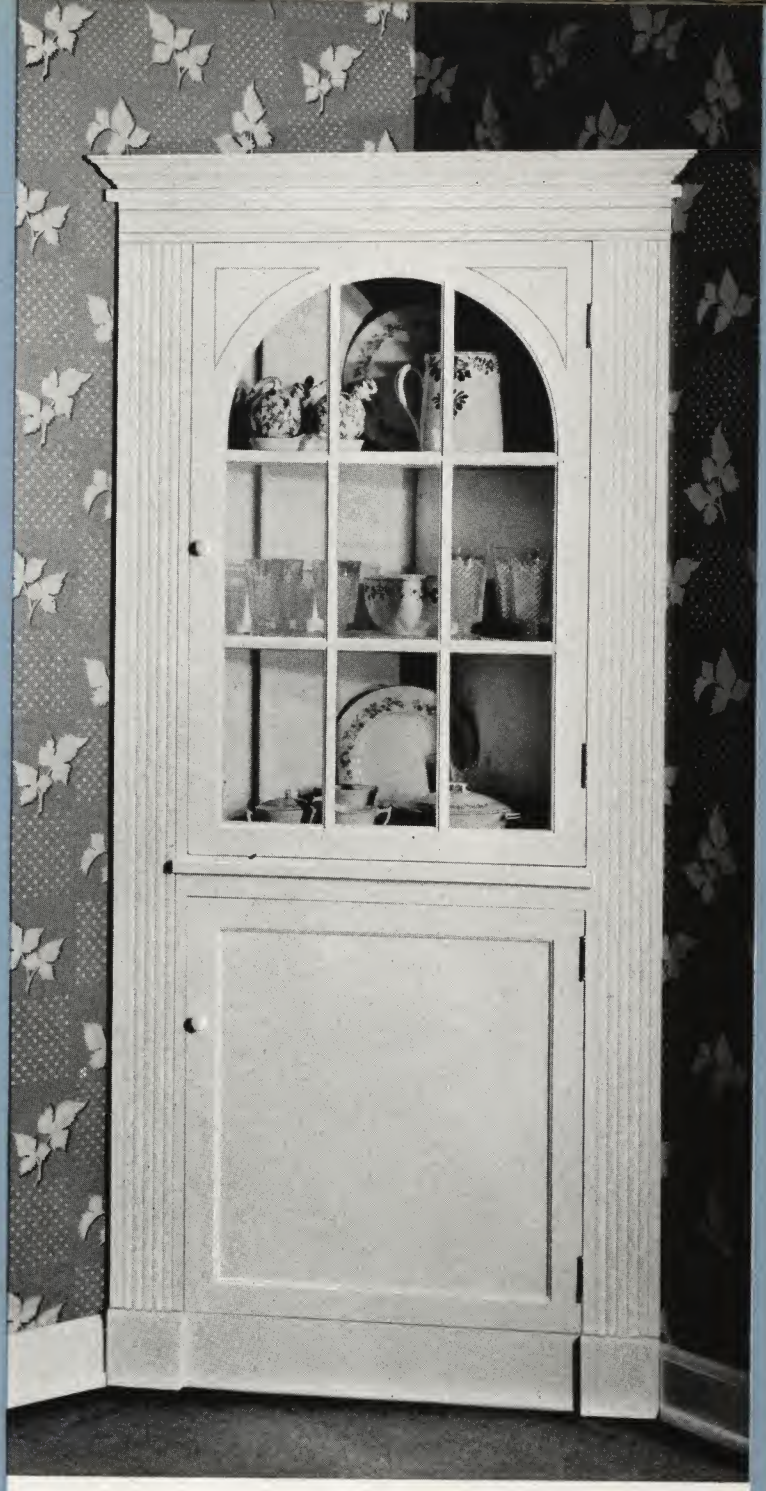


Corner Cabinets BW-3763

This is a very attractive design with its colonial scrolled top and dignified lines.

Overall dimensions: 2′-9″ wide, 6′-8½″ high and 1′-2¾″ deep inside. Requires 2′-0″ along each wall out from the corner.

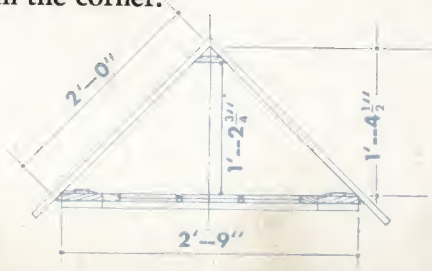




Corner Cabinets BW-3765

A part of our American tradition is the essentiality of a decorative Corner Cabinet. Bilt-Well Corner Cabinets are an excellent place to display your beautiful dishes.

Overall dimensions: 2′-9″ wide, 6′-3″ high and 1′-2¾″ deep inside. Requires 2′-0″ along each wall out from the corner.





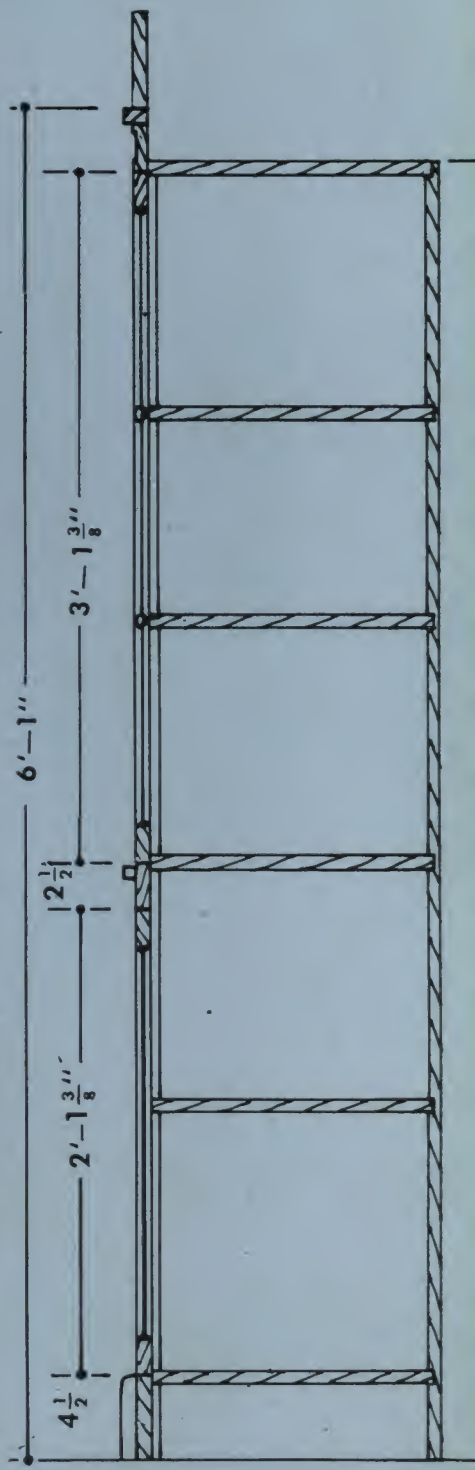
A beautiful effect is accomplished when a pair of Bilt-Well Corner Cabinets are installed.



For collectors of glassware, china, and oddities a Bilt-Well Corner Cabinet makes an excellent display case.

CONSTRUCTION

Bilt-Well Corner Cabinets are manufactured of Ponderosa Pine that has been thoroughly seasoned and kiln dried. They are built well throughout and are the product of skilled workmen using the latest modern machinery. They are shipped K.D. (knocked down) unpainted and carton packed. The front frame is assembled and the doors are prefitted. The shelves fit into dadoes. Where designs illustrate glass doors, the glass is installed with wood stops.



BILT WELL WOOD WORK

Bill-Well

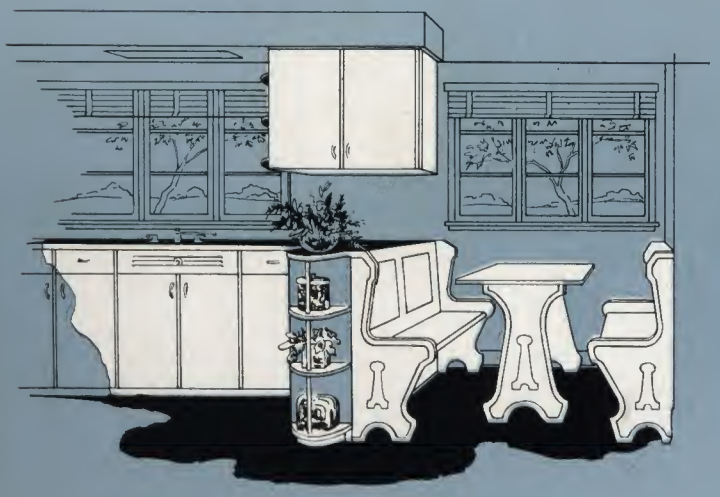
BREAKFAST NOOK

BILT WELL WOOD WORK

PEG. U. S. PAT. OFF.



Attractive and comfortable. Adds charm and affords individuality by lending itself to a wide variety of color combinations and decorative schemes.



Here's a suggestion for you when planning to remodel your old kitchen or planning the kitchen in your new home. The breakfast nook is located conveniently for informal meals . . . ideal for breakfasts, mid-day meals and late snacks.

A.I.A. File Number 19-E-7

BREAKFAST NOOK BW-3806



Large enough to seat four persons comfortably. Has generous table top and affords easy access.

This is a standardized design, inexpensive because of the large volume of production and the efficient manufacturing methods employed.

Dimensions:

Table top—2′-2″ wide, 4′-0″ long, and 2′-6″ high.

Seats—1′-6″ deep, 4′-5¼″ long, and 3′-0″ high.

Space required—5′-6″ wide and 4′-6″ deep.

Manufactured of thoroughly seasoned kiln dried Ponderosa Pine, completely machined and K. D. semi-assembled. Carefully packed in dust-proof corrugated cartons.

BILT-WELL WOOD WORK

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Bilt-Well
UNIT LINEN CABINETS

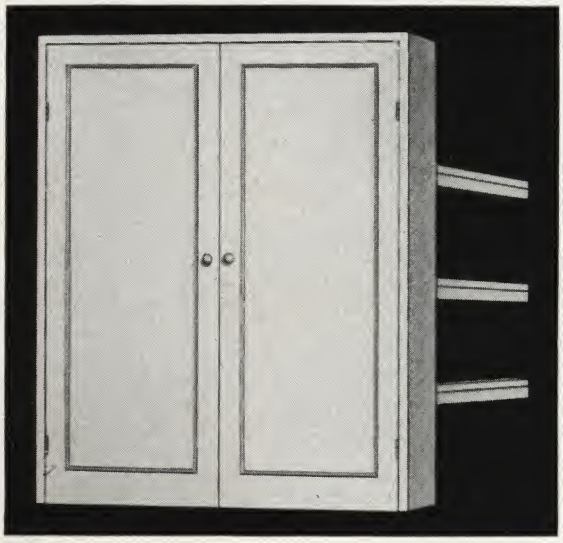
BILT WELL WOOD WORK

A compact, attractive cabinet for linens—neat, out of the way and durably constructed. A needed convenience for any home

A.I.A. File Number 19-E-7

BILT-WELL UNIT LINEN CABINETS

Several views showing the various combinations that can be made with Bilt-Well Linen Cabinet Units. These units are shown below and are BW-4339, upper section, and BW-4341, lower section.



BW-4339

Includes a pair of doors, jambs, three shelves, and shelf cleats. Carton packed. No trim, no stops.



BW-4341

Includes drawers, slides, front frame, and ledge. Front frame, ends, and slides put together. Balance K.D. Packed completely in a corrugated carton.

Requires recess 2′-6″ wide, 1′-8″ deep, overall height 2′-11¾″.

LINEN CLOSET UNITS INSTALLED IN A CLOSET



This illustration shows the nest of drawers with shelves above recessed into a closet for the storage of linens. With this design you open the door, and there is a compact unit where you have a supply of linens for kitchen, bathroom, or bedrooms neatly stored. It's ideal and appeals to the neat, systematic homemaker.

Requires recess 2′-8″ wide, 2′-0½″ deep (5¼″ jamb), 1′-10½″ deep (3¼″ jambs). Designed to fit between the jambs of a 2′-6″ door opening.

BILT WELL WOOD WORK

REG U.S. PAT. OFF.

BW-4341 is a pleasing little chest of drawers that may be placed where your taste or needs deem it most desirable. You may find it convenient in the Sewing Room, Bathroom, Bedroom, Hall, or Nursery.

COPYRIGHT 1946

UNITS ASSEMBLED AS A COMPLETE BILT-WELL LINEN CABINET

(WITH DOORS OPEN)



(WITH DOORS CLOSED)



This is an illustration of the two standard units assembled into a completed Bilt-Well Linen Cabinet. In the upper view the doors are shown open so that the spaciousness can be appreciated from this type of illustration. At the right the cabinet doors are closed, and this shows the attractive, neat appearance and its design which harmonizes with practically any interior. This combination requires a recess 2′-6″ wide, 1′-8″ deep, and 6′-7½″ high to line up with a 6′-6″ door. This can also be made to line up with 6′-8″ or 7″-0″ door heights by blocking underneath and using a base and shoe across the front.

Ask the woman who owns one of these Bilt-Well Linen Cabinets and you will get an enthusiastic response to any and all questions about their convenience and utility features.



FOR HALL STORAGE



FOR KITCHENS



FOR BATHROOMS



FOR BEDROOMS

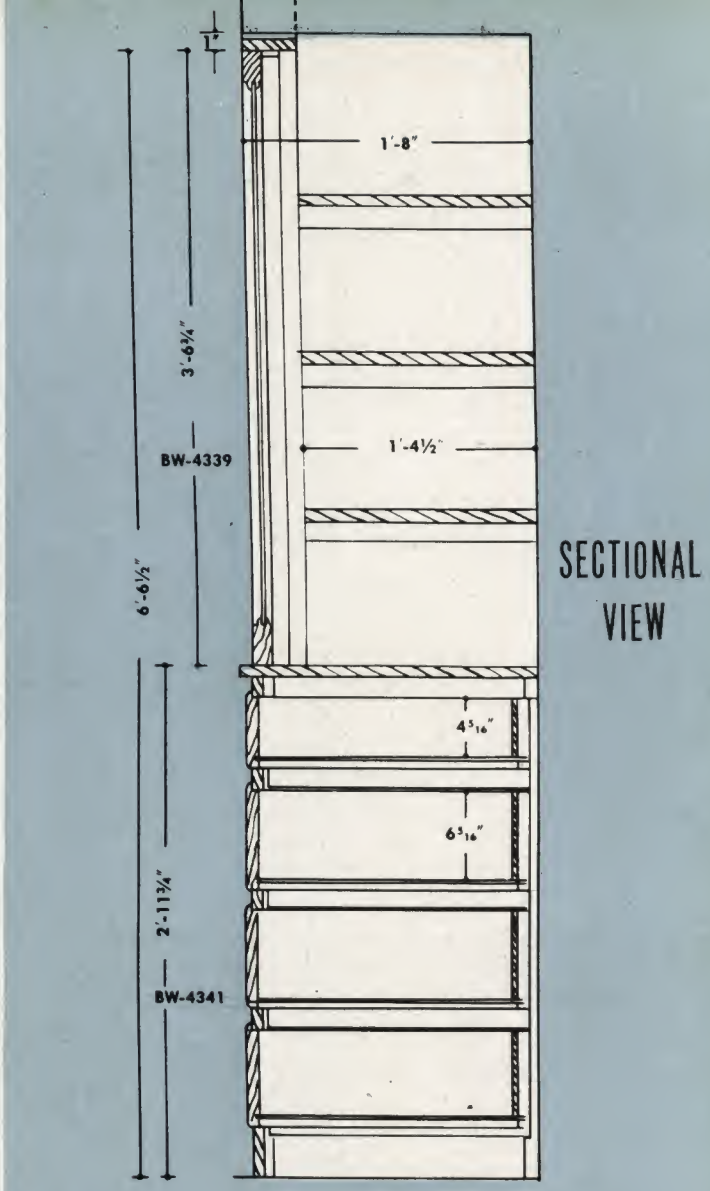
INSTALLING IS EASY



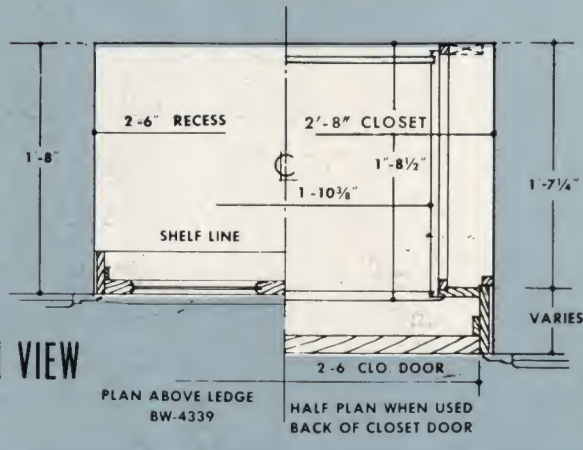
After Unit BW-4341 is assembled, slide it into the recess.



Trim the opening after the nest of drawers is in place in the same manner that you would trim a regular door opening.



SECTIONAL VIEW



PLAN VIEW

BILT-WELL MEDICINE CABINETS



Bilt-Well Medicine Cabinets represent a very high standard of workmanship and materials.

BILT WELL WOOD WORK
REG U S PAT OFF

A.I.A. File Number 19-E-7

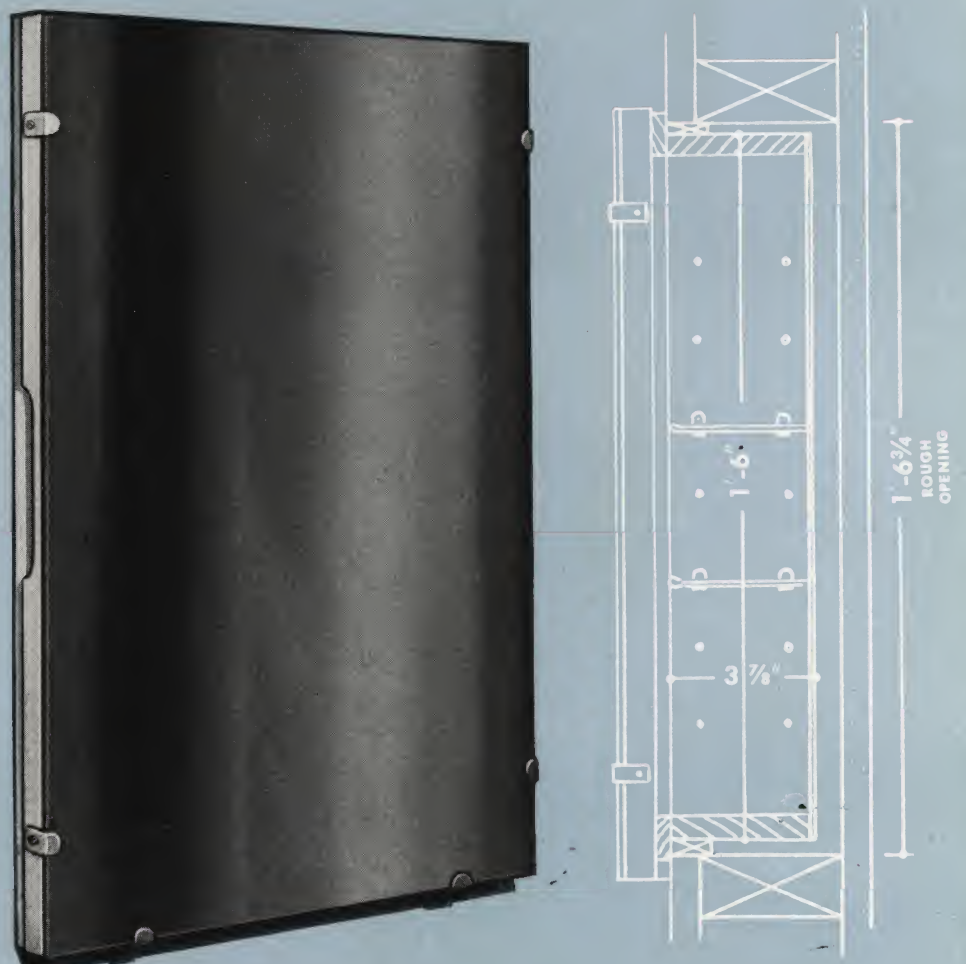
BILT-WELL MEDICINE CABINETS

This array of designs offers a wide selection of convenient, practical, and substantial medicine cabinets. Wood medicine cabinets will withstand the effects of moisture introduced by high relative humidity in bathrooms better than materials subject to rust and corrosion. For long lasting satisfactory service select your medicine cabinet from this Bilt-Well Line.

BW-4367

This new Venetian Medicine Cabinet gives a modern appearance to new bathrooms. Dimensions: Mirror size 14″x20″. Recess required 1′-1″x1′-6¾″ 4″ deep.



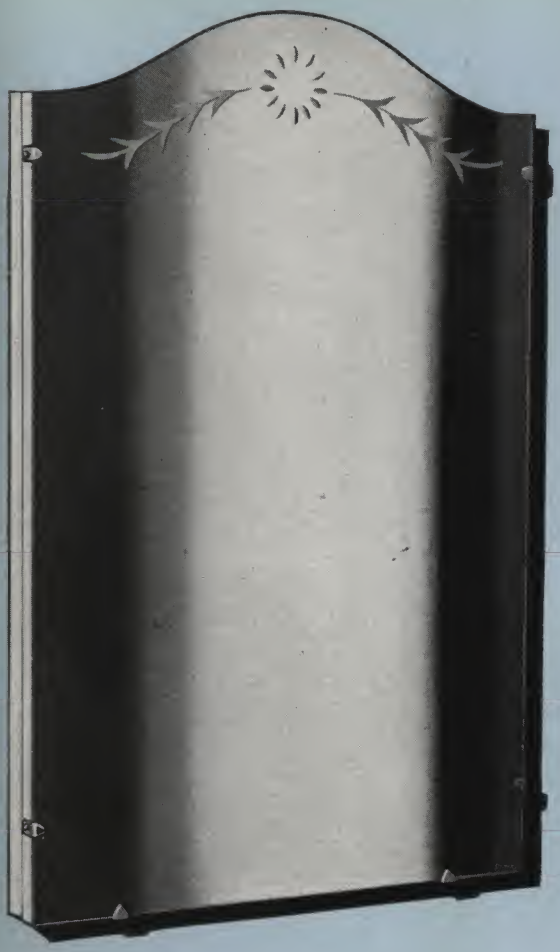


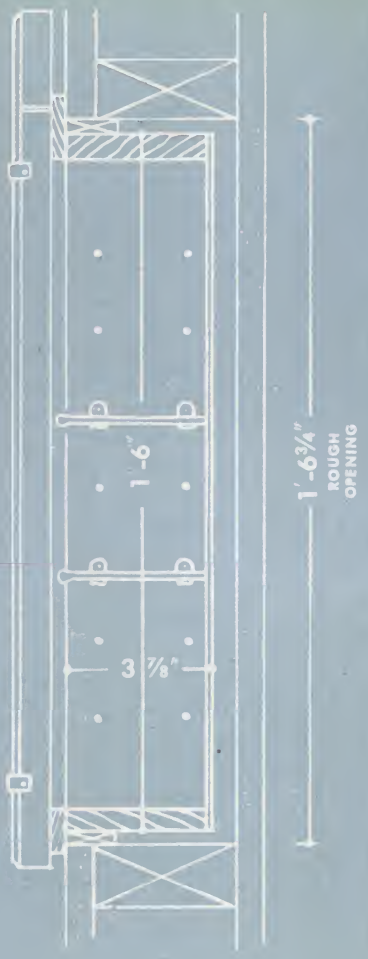
SEE PLAN PAGE

BILT WELL WOOD WORK

All Bilt-Well Medicine Cabinets are completely equipped with hardware BW-4367 and BW-4374 have glass shelves with bulb edges. BW-4375 has wood shelves.

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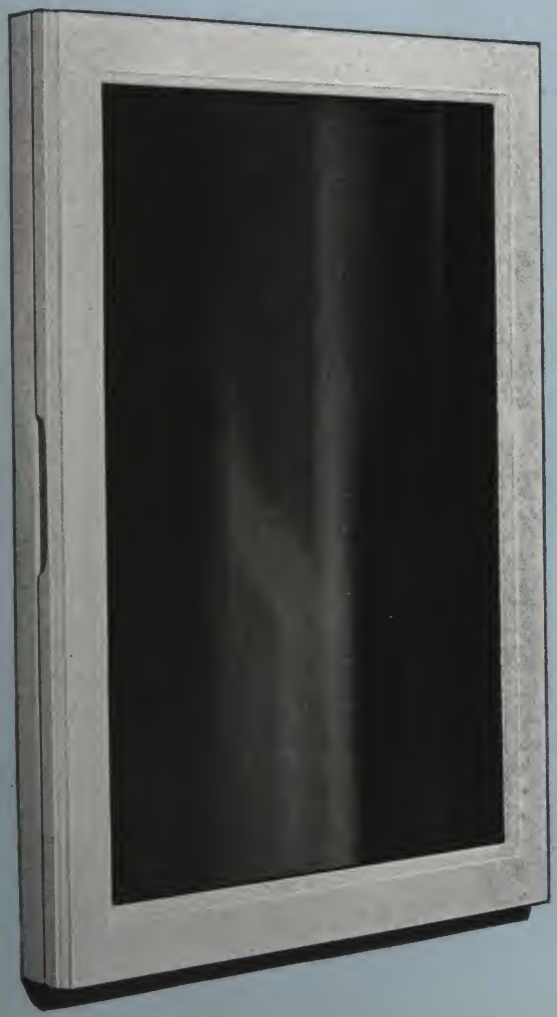


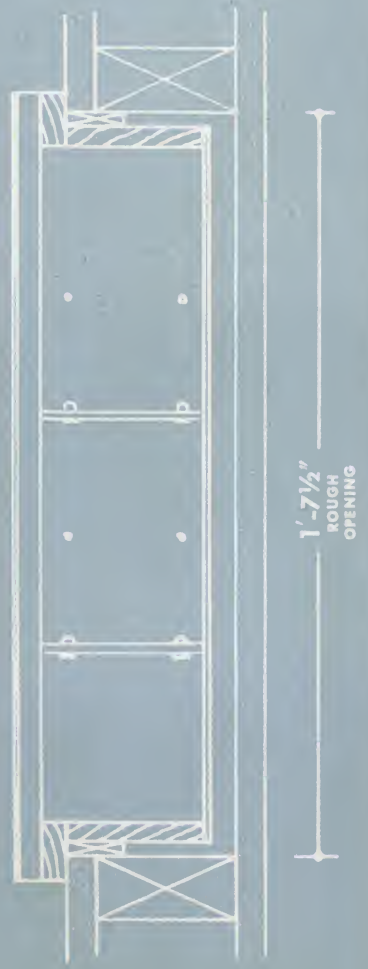
BW-4374

This is a popular design with most home owners because its scroll top sets it off. It is not only attractive but also very practical because of its spaciousness. Dimensions: Mirror size 14″x22″. Recess required 1′-1″x1′-6¾″ 4″ deep.



SEE PLAN PAGE





BW-4375

In contrast to the other designs this attractive medicine cabinet has the mirror framed in wood, which can be decorated to suit the color scheme of the bathroom. Dimensions: Mirror size 12″x18″. Recess required 1′-1½″x1′-7½″ 4″ deep.

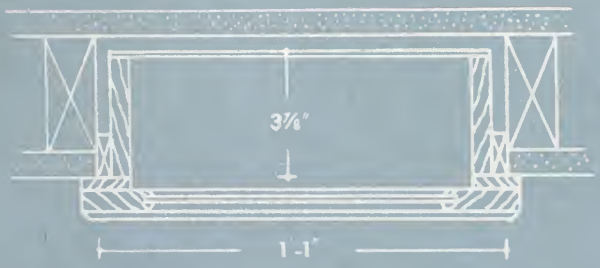




BILT-WELL WOOD WORK

REG. U. S. PAT. OFF.

Bilt-Well Medicine Cabinets are completely assembled ready to be installed in a recess. Manufactured of Ponderosa Pine, thoroughly seasoned, and kiln dried. They are carefully made, all parts being manufactured with the latest modern woodworking machines. A very high standard of workmanship and material is uniformly carried out throughout all designs. They are furnished carton packed and fully protected before shipment.

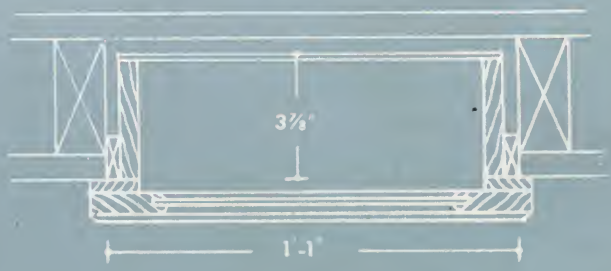


ROUGH OPENING

PLAN OF BW-4367

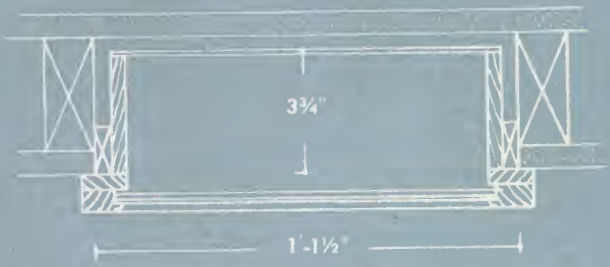
The plan of all three designs of Bilt-Well Medicine Cabinets is shown here.

All three designs fit between standard spaced (16" o.c.) studs. The location in which to set the plaster grounds is suggested here.



ROUGH OPENING

PLAN OF BW-4374



ROUGH OPENING

PLAN OF BW-4375

To recess a Bilt-Well Medicine Cabinet into an old house, cut the opening smaller as plaster grounds are unnecessary.



The telephone is always convenient for use yet out of the way . . . no stands or tables . . . no lost space.



BILT WELL WOOD WORK
REG. U. S. PAT. OFF.

Bilt-Well TELEPHONE CABINET

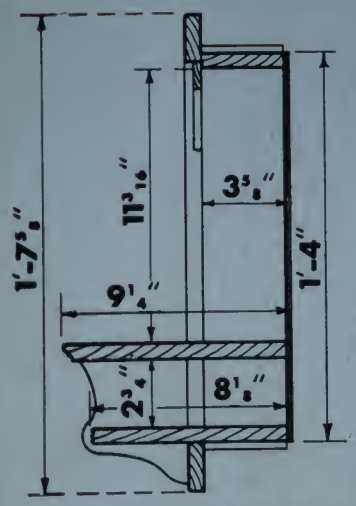
A.I.A. File Number 19-E-7

Design

BW-3946

Here is a practical, functional telephone cabinet that provides ample space for the largest directory and a wide shelf on which to place the telephone. It saves valuable floor space which otherwise would be occupied by a telephone table. It is built in between standard (16″ O.C.) spaced studs and is exceptionally attractive in appearance.





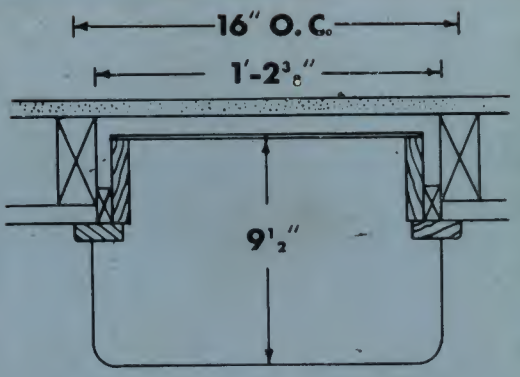
SECTION THROUGH CABINET



BOOK SPACE



HAND SPACE



PLAN OF CABINET

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Bilt-Well STAIR PARTS

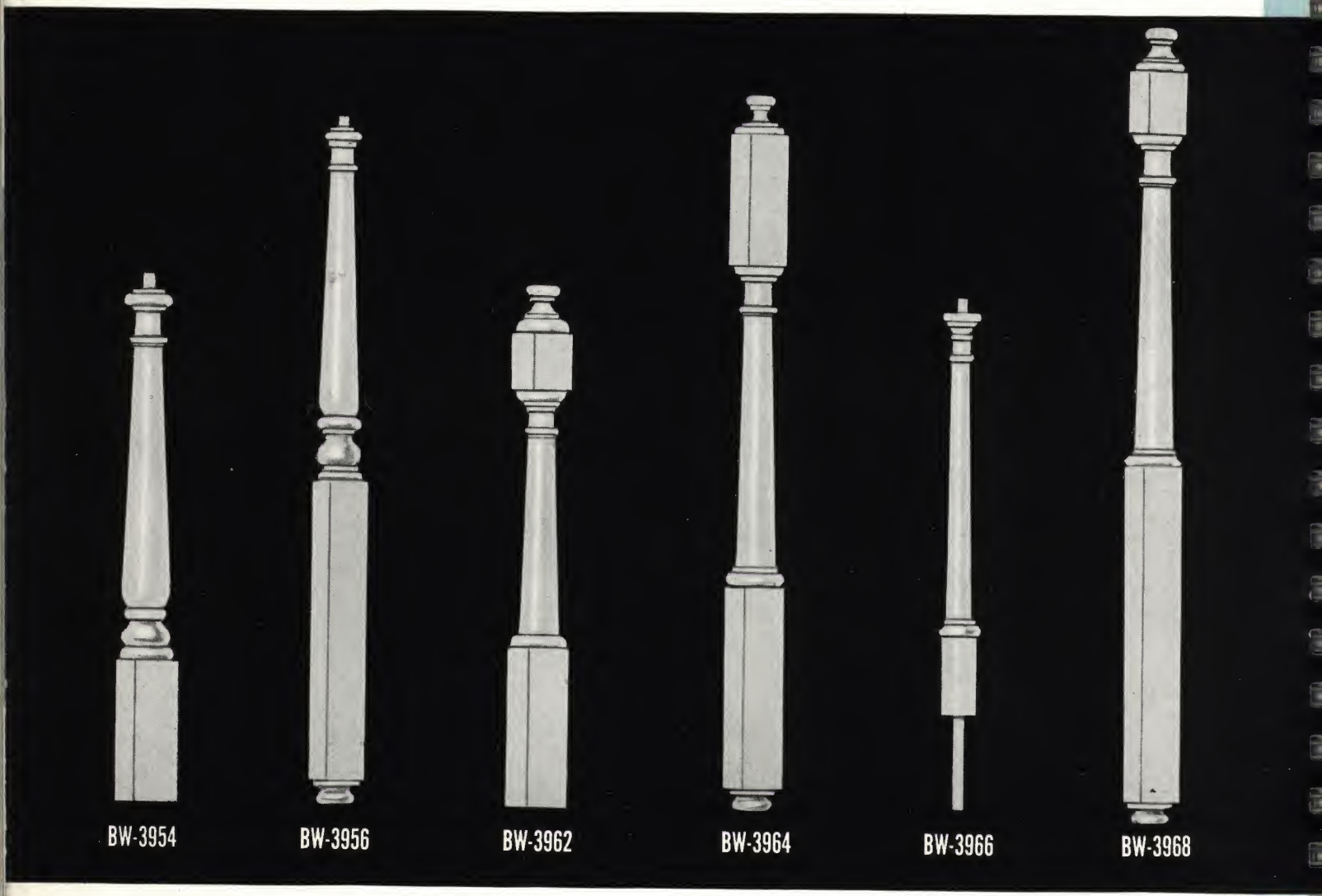
This beautiful stairway is assembled with the following Bilt-Well Stair Parts: Quarter circle starting tread and riser, BW-4162; starting newel, BW-3966; volute, BW-3984; baluster, BW-4008; rail, BW-4082; gooseneck, BW-4026; landing newel, BW-3956; wall rosette, BW-4228; treads, BW-4090; returned nosing, BW-4094; landing nosing, BW-4092; cove, BW-4098; and risers, BW-4096.

BILT WELL WOOD WORK

A.I.A. File Number 19-E-4

BILT-WELL STAIR PARTS

The stairway is a feature of central prominence in the home and worthy of exceptional care in selecting its parts to insure distinctiveness. Thought is well expended in the selection of Bilt-Well Stair Parts as only high grade products should be considered. From this attractive line of individual Stair Parts, complete stairways can be assembled. Each item is carefully designed and standardized to meet all usual requirements.



Bilt-Well Stair Newels are manufactured of Unselected Birch that has been carefully machined and completed by fine workmanship. They are produced to assemble a complete stairway easily by following a standard rail height of 2′-6″ on the rake regardless of the rise and run of the stairs.

BW-3954 3½″ x 3½″ x 3′-5″
BW-3956 3½″ x 3½″ x 4′-10″
BW-3962 3″ x 3″ x 3′-8″
BW-3964 3″ x 3″ x 5′-2″
*BW-3966 2¼″ x 2¼″ x 3′-7″
BW-3966-A 2¼″ x 2¼″ x 3′-8½″
BW-3968 3″ x 3″ x 5′-9″

*Used with Volutes BW-3982 or BW-3984
No provisions have been made in the length of the newels for the use of winders.

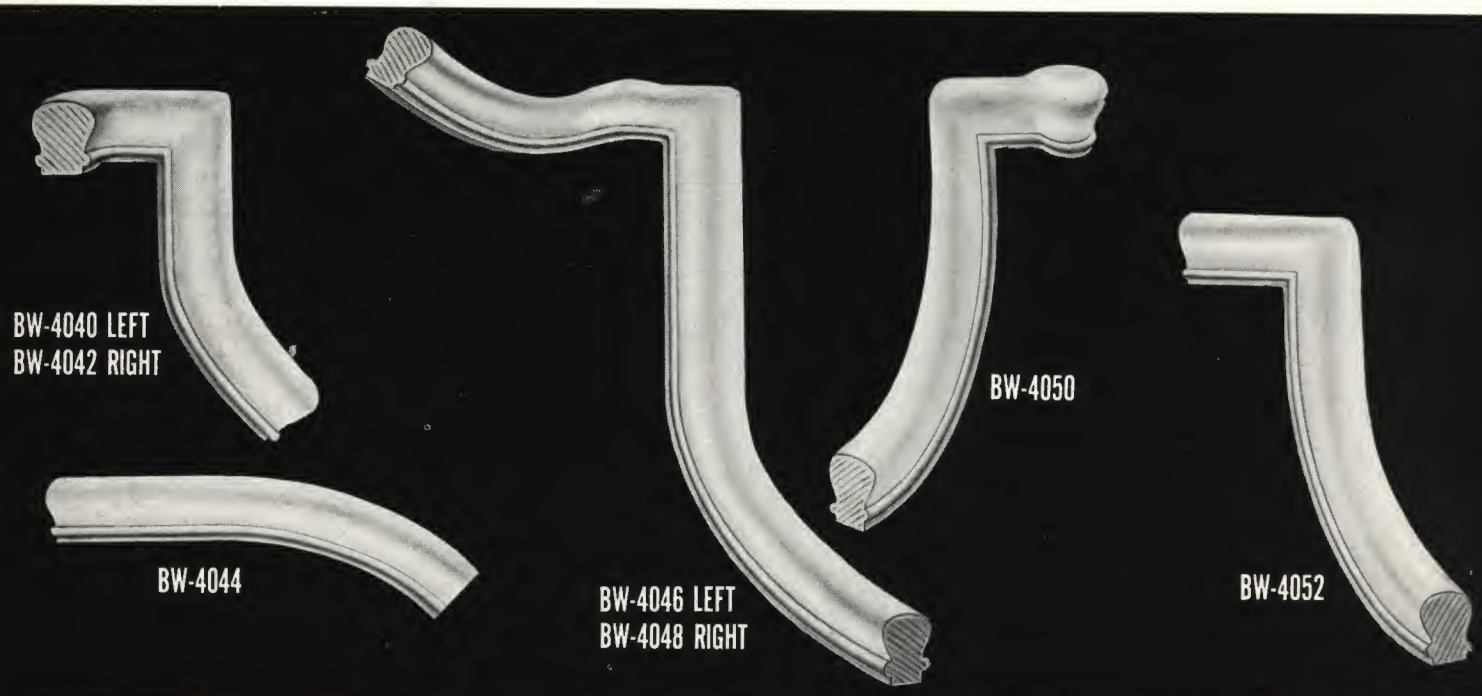
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A Complete Line of Bilt-Well Volutes, Easements, etc., Manufactured of Unselected Birch

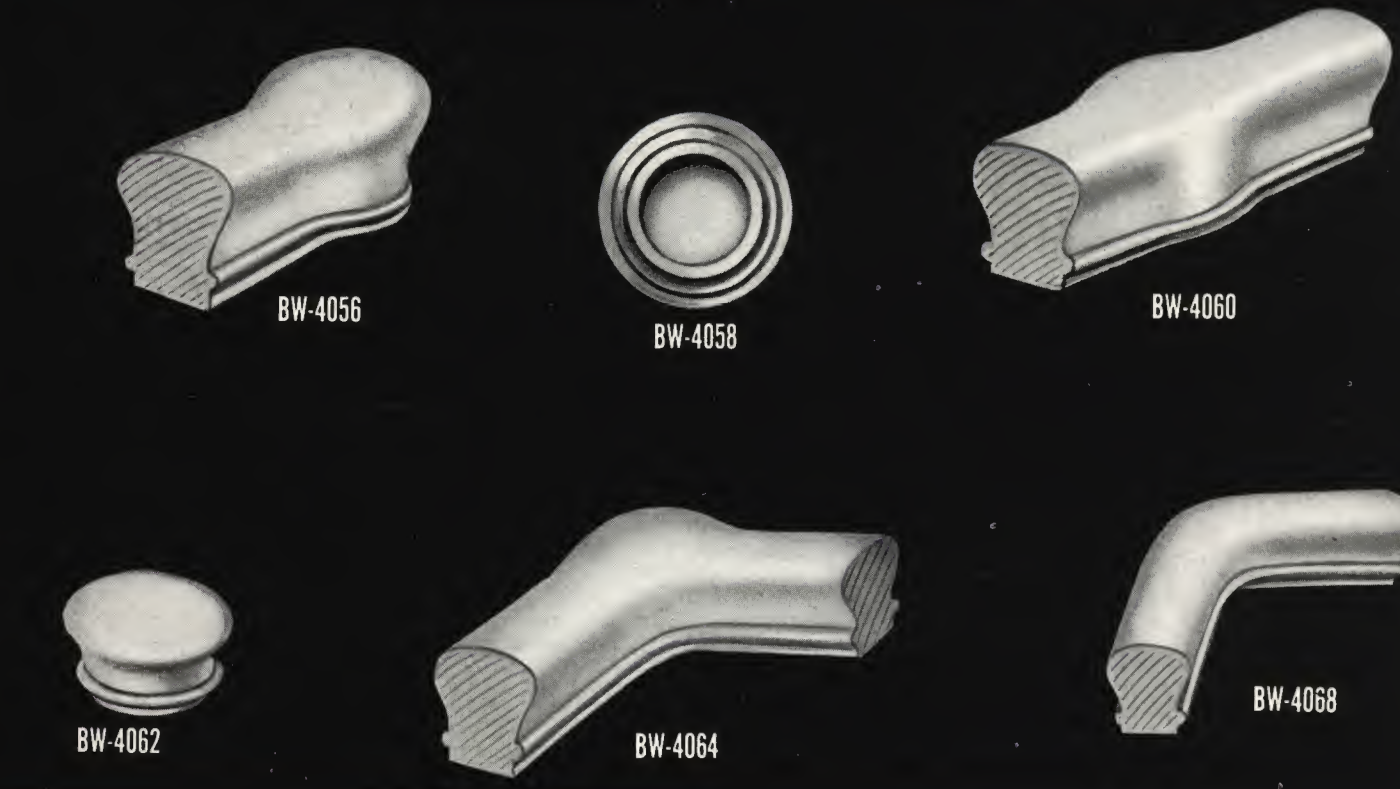
BW-3978 is a cap and easing; BW-3982 or BW-3984 is a volute for stairs open on the left or right side. State which is wanted when ordering. BW-3986 or BW-3988 is a turn out easing for left or right side of stairs; BW-3990 is an up easing returned on one end; BW-3992 is an easing not returned; BW-4020 or BW-4022 is a gooseneck and half-circle level turn; BW-4024 or BW-4026 is a gooseneck and quarter turn cap; BW-4030 is an overhand easing; BW-4032 or BW-4034 is a gooseneck, quarter turn, and easing.

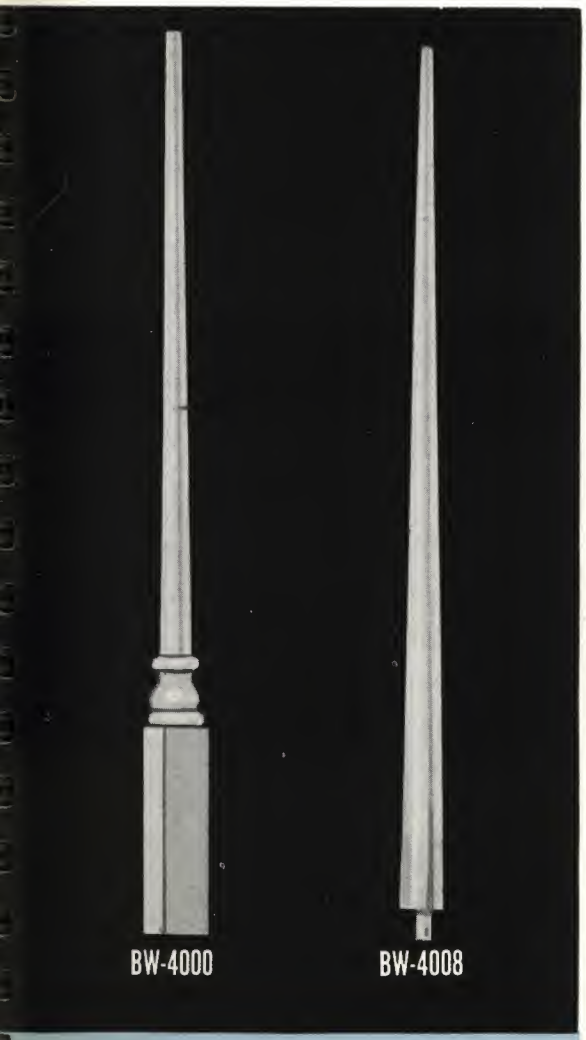




Bilt-Well Turnouts, Easements, etc., are Manufactured of Unselected Birch

BW-4040 or BW-4042 is a gooseneck and quarter level turn; BW-4044 is an overhand easing returned on one end; BW-4046 or BW-4048 is a gooseneck, quarter turn cap, and easing; BW-4050 is a gooseneck and cap; BW-4052 is a gooseneck with a straight rail. BW-4056 is a cap with one rail opening; BW-4058 is a rosette made for rail pattern BW-4082; BW-4060 is a two-way rail and cap; BW-4062 is a newel cap; BW-4064 is a quarter turn newel cap with two rail openings; BW-4068 is a level quarter turn.





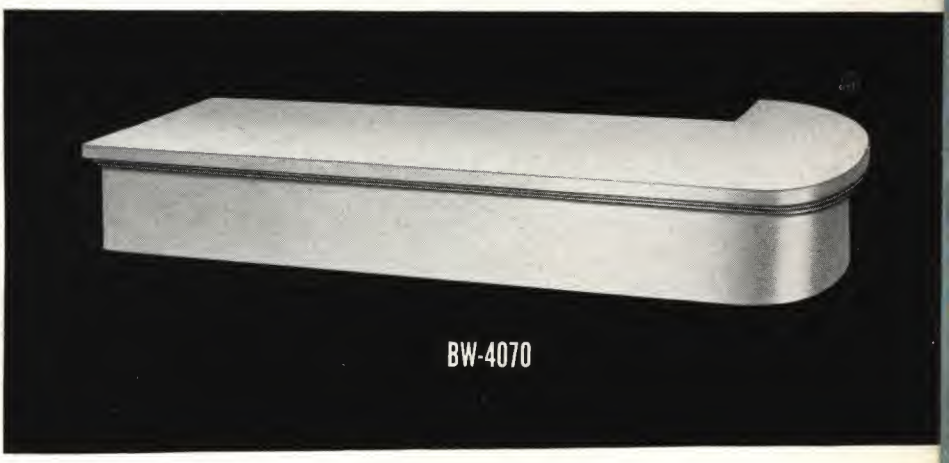
BW-4000 and BW-4008

Turned balusters furnished in lengths 2'7", 2'-10", 3'-0", and 3'-3". Manufactured of Ponderosa Pine.



This pattern of stair rail has been chosen exclusively for the Bilt-Well Line and all goosenecks, easings, turnouts, and volutes are machined in accordance with this pattern. Straight rail is furnished in lengths of 10'-0", 12'-0", 14'-0", and 16'-0" and in Unselected Birch.

Bilt-Well Stair Parts are the product of men who devote their entire lives to the making of stairwork that is practical and durable as well as properly and cleverly designed. These Stair Parts are in reality works of art with their graceful curves and correct proportions.



BW-4070

Bull nosed starting tread and riser. 5" radius. Tread and cove Plain Red Oak. Riser is Ponderosa Pine. Furnished long enough to accommodate stairs up to 3'-6" and up to 4'-0" in width. Treads are sanded both sides and are reversible Treads $1^{1}/_{16}$" thick, 11½" wide. Riser ¾" thick, 7" wide.



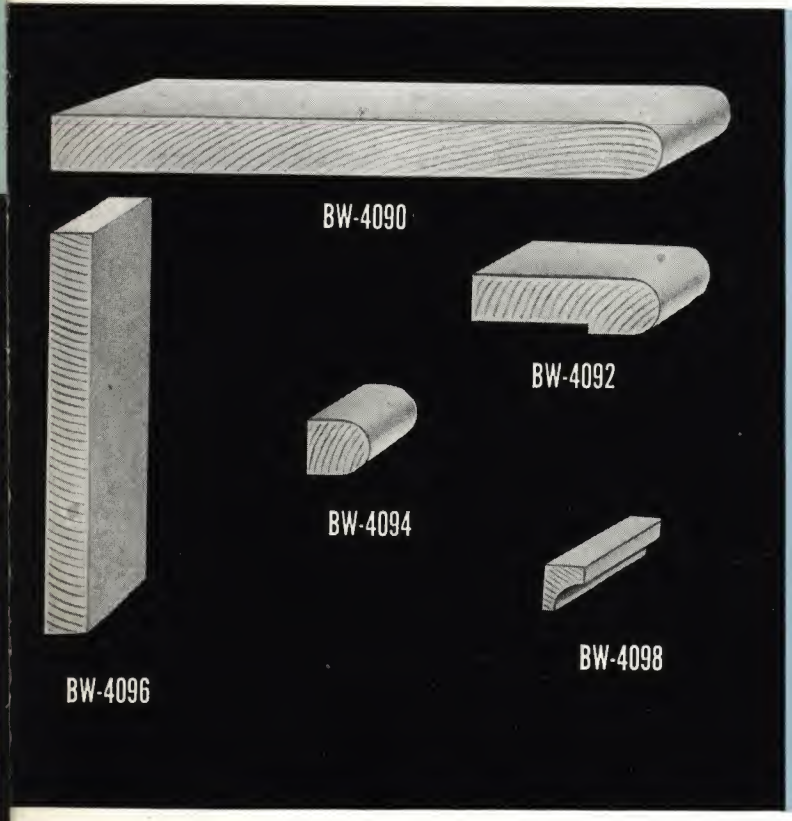
BW-4072

Scrolled end, starting tread, and riser. Manufactured with Plain Red Oak tread. Ponderosa Pine riser, and Plain Red Oak cove. Furnished long enough to accommodate a stairs up to 3'-6" and up to 4-'0" in width. Tread $1^{1}/_{16}$" thick, 11½" wide; Risers ¾" thick, 7" wide; Treads are reversible for left or right hand stairway.



This stairs is made up of the following stock parts: Starting tread and riser, BW-4070; starting newel, BW-3954; cap and easing, BW-3978; rail, BW-4082; baluster, BW-4000; landing nosing, BW-4092; treads, BW-4090; returned nosing, BW-4094; cove, BW-4098; and risers, BW-4096.

Bilt-Well Wall Rail and Wall Rail Accessories are shown below. These are manufactured of Unselected Birch to match the Stair Parts on the preceding pages or in Yellow Pine to correspond with the wood Stair Parts illustrated on the opposite page.



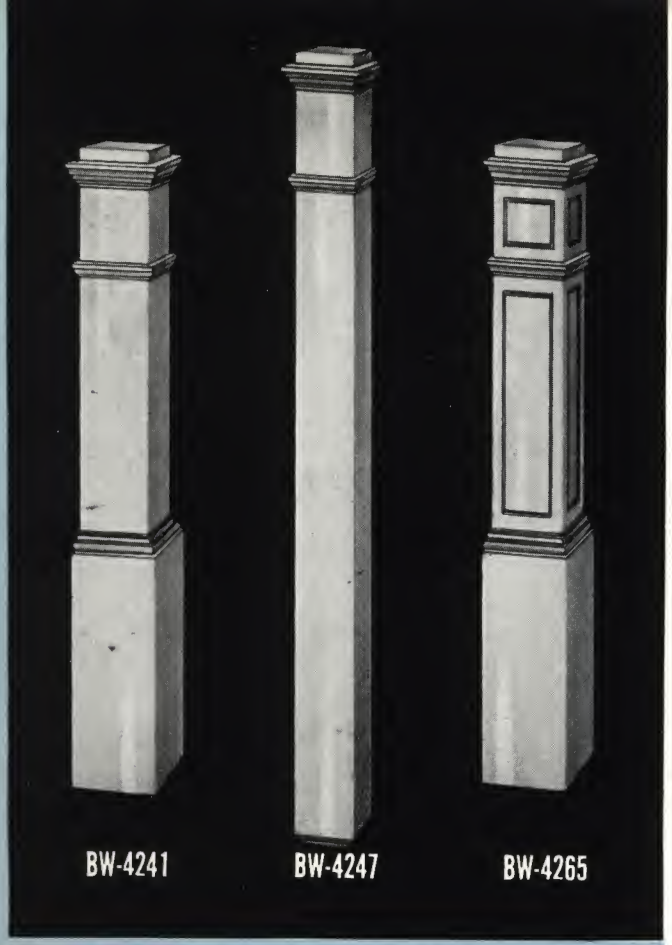


Bilt-Well tread, riser, landing nosing, return nosing, and cove are shown in the illustration. Furnished in lengths for 3'-0", 3'-6", and 4'-0" stairs. BW-4090 is 11 1/2" wide, and 1 1/16" thick. BW-4096 is 7 1/2" wide and 3/4" thick. Treads, landing nosing, return nosing, and cove are Plain Red Oak. Riser is Ponderosa Pine or Yellow Pine.

BW-4218—**Quarter Circle Level Turn, 2" Radius to the Inside, made for Returning Rail BW-4224 to the wall.**

BW-4224—**Round Wall Rail 1 11/16" x 1 1/2", in 10'-0", 12'-0", 14'-0" and 16'-0" lengths.**

BW-4228—**Wall Rosette for Returning Wall Rail BW-4224.**



Bilt-Well starting and angle newels are manufactured of Yellow Pine, carefully machined and smoothly sanded.

BW-4241

5 1/2" x 5 1/2" shaft, 4'-6" over-all length, 6 7/8" x 6 7/8" base, 24" high.

BW-4247

4 1/2" x 4 1/2" shaft, 5'-6" over-all length.

BW-4265

5 1/2" x 5 1/2" shaft, 4'-6" over-all length, 6 7/8" x 6 7/8" base, 24" high.



BW-4252

Hand rail manufactured of Yellow Pine. Size 2 1/2" wide, 3 1/2" high. Furnished in lengths of 10, 12, 14, and 16 feet.

Double rabbeted to accommodate both 1 1/16" and 1 5/16" balusters.



BW-4156

Baluster 1 1/16" x 1 1/16"; lengths 2'-4" and 2'-8".

BW-4158

Furnished 1 5/16" x 1 5/16"; lengths 2'-4" and 2'-8". Both BW-4156 and BW4158 are manufactured of Yellow Pine.



Quarter-circle starting tread and riser. 5" radius. Treads and cove furnished in Plain Red Oak. Riser in Yellow Pine. Tread reversible for left or right hand end. Accommodate stairs up to 3'-6" and up to 4' wide. Treads 1 1/16" x 11 1/2". Risers 3/4" x 7".

Half-circle starting tread and riser. 8" radius. Tread and cove furnished in Plain Red Oak. Riser in Yellow Pine. Accommodate stairs up to 3'-6" and up to 4'-0" in width. Treads are 1 1/16" x 11 1/2". Risers are 3/4" x 7".

● *NOTICE OF CHANGE: All Bilt-Well Stair Parts specified Yellow Pine on this and the opposite page will be furnished in Ponderosa Pine, only.*



Consists of following stock parts:
Volute, BW-3984; scrolled end starting tread and riser, BW-4072; starting newel, BW-3966; landing newels, BW-3956; gooseneck, cap and easing, BW-4048; balusters, BW-4008; treads, BW-4090; returned nosing, BW-4094; landing nosing, BW-4092; cove, BW-4098; and risers, BW-4096.



Consists of the following stock parts:
Starting tread and riser, BW-4162; starting newel, BW-4241; rail, BW-4252; baluster, BW-4156; landing newel, BW-4247; treads, BW-4090; landing nosing, BW-4092; returned nosing, BW-4094; cove, BW-4098; and riser, BW-4096.



Made up of the following stock parts:
Starting tread and riser, BW-4070; starting newel, BW-3954; cap and easing, BW-3978; gooseneck, cap and easing, BW-4046; rail, BW-4082; baluster, BW-4000; landing newel, BW-3956; treads, BW-4090; returned nosing, BW-4094; landing nosing, BW-4092; cove, BW-4098; and risers, BW-4096.



Consists of the following stock parts:
Starting tread and riser, BW-4070; starting newel, BW-3954; cap and easing, BW-3978; gooseneck, BW-4048; landing newel, BW-3956; balusters, BW-4000; rail, BW-4082; treads, BW-4090; returned nosing, BW-4094; landing nosing, BW-4092; cove, BW-4098; and risers, BW-4096.

THE CARE OF WOODWORK

Woodwork properly cared for is a joy forever, a source of satisfaction, and a constant guardian of home values.

You have seen a new line of Bilt-Well products; each well designed and properly manufactured.

When Bilt-Well Woodwork leaves our factory, it is thoroughly kiln-dried to a relative moisture content which is considered ideal for all painting purposes. It is, therefore, recommended that you give it the care it deserves, that you do not store it in a damp place, especially not in freshly-plastered buildings. As soon as possible after receiving Bilt-Well Products a prime coat or a base coat should be applied to seal the surfaces, including all edges and ends.

If by chance the woodwork has been exposed to moisture, it is advisable to dry it out thoroughly before giving it any of the above preparations. To insure that you get the maximum satisfaction from Bilt-Well Woodwork it is recommended that these few precautionary steps be taken.

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